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McGILL UNIVERSITY

MONTREAL



ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE

(INCLUDING THE DEPARTMENT OF PHARMACY)

FOR THE SESSION 1926-27

NINETY-FIFTH SESSION

MONTREAL:

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The Calendar.

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1926

Monday,	Sept.	13	Supplemental Examinations begin. Register opens for students in Medicine.
Monday,	deal S	20	Autumn Term begins.
Wednesday,	Oct.	6	Founder's Day. Convocation for conferring Degrees. Opening address for the session. Register closes for the session.
Friday,	"	8	Sports Day. No lectures.
Monday,	Nov.	8	Thanksgiving Day. No lectures.
Saturday,	Nov.	27	Autumn Term ends.
Monday,	"	29	Winter Term begins.
Tuesday,	Dec.	21	Last day of lectures before Christmas.
1927			
Wednesday,	Jan.	5	Lectures resumed.
Saturday,	Feb.	19	Winter Term ends.
Monday,	"	21	Examinations begin.
Monday,	"	28	Spring Term begins.
Wednesday,	March	2	Ash Wednesday. No lectures.
Friday,	April	15	Good Friday. No lectures.
Saturday,	" A	16	No lectures.
Saturday,	May	7.	Spring Term ends.
Monday,	"		
,	"	9	Examinations begin.

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F. N. K. Falls, M.D.

Demonstrator in Anatomy.

Cor. Côte St. Antoine Road and Draper Ave.

J. W. Armstrong, M.D.

Demonstrator in Anæsthesia. 74 Courcelette Ave., Outremont.

C. C. Stewart, M.D.

Demonstrator in Anæsthesia. 74

746 Sherbrooke St. W.

Colin Sutherland, B.A. (Dalhousie), M.D. Demonstrator in Medicine.

Medical Arts Building.

W. F. Emmons, B.A., M.Sc., M.D. Demonstrator in Physiology.

Biological Building.

N. T. WILLIAMSON, M.D.

Demonstrator in Orthopædic Surgery.

510 Prince Albert Ave., Westmount.

T. M. RICHARDSON, B.A., M.D. Demonstrator in Anatomy.

51 Church Ave., Verdun.

J. J. WALKER, B.A., M.D. Demonstrator in Medicine.

Medical Arts Building

G. C. Melhado, M.D.

Demonstrator in Obstetrics and Gynæcology.

Medical Arts Building.

D. L. Mendel, M.D. Demonstrator in Medicine.	1729 Park Avenue
H. P. Wright, B.A., M.D. Demonstrator in Pediatrics.	40 Trafalgar Ανε
A. Stewart, M.D. Demonstrator in Anatomy and in Surgery.	Assistant Demonstrator 414 Mackay St
H. E. Burke, M.D. Demonstrator in Physiology.	Biological Building.
W. W. Ruddick, M.D. Demonstrator in Anatomy.	117 Crescent Street.
C. R. Joyce, M.D. Demonstrator in Medicine.	5242 Park Avenue.
J. C. Wickham, B.A., M.D. Demonstrator in Medicine.	4484 Sherbrooke Street West.
KEITH GORDON, B.A., M.D. Demonstrator in Medicine.	Medical Arts Building.
LORNE C. MONTGOMERY, M.D. Demonstrator in Medicine.	Medical Arts Bldg.
J. F. MacIver, M.D., L.M.C.C. Demonstrator in Medicine.	311 Wilson Avenue.
D. H. Ballon, B.A., M.D. Demonstrator in Oto-Laryngology	y. 107 Crescent Street.
A. W. Young, M.D. Demonstrator in Neuropathology	and in Psychiatry 670 Sherbrooke Street West.
W. L. RITCHIE, M.D. Demonstrator in Radiology.	Montreal General Hospital.
A. R. ELVIDGE, M.Sc., M.D. Demonstrator in Physiology.	Biological Building.
H. M. Elder, M.D. Demonstrator in Anatomy.	Medical Arts Building.
C. D. LITTLE, M.D. Demonstrator in Anatomy. B. F. MacNaughton, M.D.	115 Stanley Street.
Demonstrator in Anatomy and in Surgery.	Assistant Demonstrator 231 Bishop Street.
S. A. Beatty, M.A. Demonstrator in Biochemistry.	Biological Building.
W. E. WILLIAMS, M.D. Demonstrator in Pediatrics.	1834 Park Ave.

R. CAMERON STEWART, B.Sc. (Arts), M.D. Demonstrator in Pediatrics. 1240 Cote St. Antoine Road.

J. ROSENBAUM, M.D.

Assistant Demonstrator in Ophthalmology. 206 Bishop St.

A. Bramley-Moore, B.A., M.D. Assistant Demonstrator in Ophthalmology. 344 Mountain St.

G. E. HODGE, M.D.

Assistant Demonstrator in Oto-Laryngology. Medical Arts Bldg.

HAROLD F. H. EBERTS, B.A., M.D.

4908 Sherbrooke Street W. Assistant Demonstrator in Medicine.

W. C. GOWDEY, M.D.

Assistant Demonstrator in Medicine.

4492 Sherbrooke Street, Westmount.

JOHN ARMOUR, M.Sc., M.D.

Assistant Demonstrator in Surgery. Royal Victoria Hospital.

I. LANDE, B.A., M.D.

Assistant Demonstrator in Medicine (Tuberculosis). H. F. DOLAN, M.D.

Assistant Demonstrator in Pathology. Pathological Institute.

J. C. GEMEROY, M.D. Assistant Demonstrator in Pathology.

Pathological Institute.

K. S. McLean, M.D. Assistant Demonstrator in Pathology.

Pathological Institute.

Pathological Institute.

C. G. MENZIES, M.D. Assistant Demonstrator in Pathology.

W. MIDDLETON, M.D. Assistant Demonstrator in Pathology. Montreal General Hospital.

H. G. PRETTY, M.D.

Assistant Demonstrator in Pathology. Montreal General Hospital.

W. W. ALEXANDER, M.D.

Assistant Demonstrator in Medicine. 334 Harvard Avenue.

K. O. HUTCHISON, M.D.

Assistant Demonstrator in Oto-Laryngology.

Medical Arts Building.

W. J. McNally, B.A., M.Sc., M.D., D.L.O., (R.C.P. & S. Eng.). Assistant Demonstrator in Oto-Laryngology.

Medical Arts Building.

J E. TREMBLE, M.D. Assistant Demonstrator in Oto-Laryngology.

Medical Arts Building.

S. O. McMurtry, B.A., M.D. Assistant Demonstrator in Ophthalmology. 746 Sherbrooke St. G. A. STUART RAMSEY, B.A., M.D. Assistant Demonstrator in Ophthalmology. 248 Mountain St.

FELLOWS

F. GREEN, M.D. Research Fellow, University Medical Clinic.

Royal Victoria Hospital.

W. DE M. SCRIVER, B.A., M.D. Research Fellow, University Medical Clinic.

Royal Victoria Hospital.

JESSIE BOYD SCRIVER, B.A., M.D. Research Fellow, University Medical Clinic.

Royal Victoria Hospital.

C. J. TIDMARSH, M.A., M.D. Research Fellow, University Medical Clinic.

Royal Victoria Hospital.

K. I. MELVILLE, B.Sc. (Med.), M.D. A. A. Browne Research Fellow in Pharmacology. Biological Bldg. D. S. FORSTER.

Hiram Vineberg Research Fellow in Gynæcology.

Montreal General Hospital

HISTORICAL SUMMARY

(Faculty of Medicine.)

1821-1926

	1821-1926
1801-02	James McGill, born October 6th (Founder's Day). Died 1813. Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.
1811	Will by James McGill leaving landed estates and £10,000 to Royal Institution for Advancement of Learning for founding a University.
1818	Royal Institution for Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street.
1821	Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Corner-stone of new Montreal General Hospital laid.
1822–24	Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1824, there were four teachers and twenty-five students.
1829	Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.
1831	Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.
1832	Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
1833	First University degree conferred in Medical Faculty upon W. Logie.
1836-37	Faculty removed to building next to present Bank of Montreal.
1840	Faculty removed to building next to present Bank of Montreal. Faculty removed to St. George Street.
1842	Arts Building erected on University grounds, where medical
1042	lectures were held 1845-51.
1852	Faculty removed to Coté Street.
1855	Sir William Dawson appointed Principal.
1860	Geo. W. Campbell appointed Dean, serving till 1882.
1872	First independent Medical Faculty building on University
	ground.

Graduation of William Osler.

- 1882 Geo. W. Campbell Memorial Fund for Medical Faculty.
 Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona).
 R. P. Howard appointed Dean.
- 1885 New laboratories erected in Medical Building (Lord Strathcona).
- 1889 Robert Craik appointed Dean-George Ross, Vice-Dean.
- 1893 Sir William Peterson appointed Princpal.
 Pathological Laboratory erected (John H. R. Molson).
 Chairs of Hygiene and of Pathology endowed (Lord Strathcona).
 Mrs. Mary Dow Endowment Fund presented to Medical
- 1894 Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).
- 1898-01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona).
 Joseph Morley Drake Chair of Physiology founded.
- 1901 Thomas G. Roddick appointed Dean.
- 1906 Alexandra Hospital for Infectious Diseases opened.
- 1907 Medical Building partly destroyed by fire.
- 1908 F. J. Shepherd appointed Dean.

Faculty.

- 1909-11 New Medical Building (as at present) erected. (Lord Strathcona).
- 1911 Robert Reford endowment of Department of Anatomy.

 Arthur A. Browne Memorial Fund for Research established.

 Dr. James Douglas lectureship in Pathology founded.

 Dr. James Douglas lectureship research fellowship in Pathology founded.
- Eddie Morrice Laboratory of Pharmacology opened (D. Morrice).
 James Cooper Endowment Fund established for Internal Medicine.
- 1914 H. S. Birkett appointed Dean.
 No. 3 General Hospital organized for Overseas service.
 New Foundling Hospital opened.
- 1916 Ross Memorial Pavilion opened by H.R.H. Duke of Connaught.
- 1917 Geo. Ross Endowment Fund for Medical Faculty presented.
- 1919 Sir William Macdonald bequeathed \$100,000 to Medical Faculty.

1920 Sir Arthur Currie appointed Principal.
Dr. J. W. Scane appointed Assistant Dean.
Sir William Osler's Medical Library bequeathed to McGill University.

1921 Centenary Celebration.

Friends and Graduates of McGill donated \$4,000,000 to University.

Province of Quebec donated \$1,000,000 to University. Rockefeller Foundation granted \$1,000,000 to Medical Faculty.

F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.

Geo. E. Armstrong appointed Dean.

New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.
C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave \$500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.

Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion.

1926 Closing of old Montreal Maternity Hospital.

FACULTY OF MEDICINE

The ninety-fifth session of the Faculty will open on September 20th, 1926.

ENTRANCE REQUIREMENTS

A candidate for admission to the First Year in the Faculty of Medicine must present satisfactory evidence that he has completed at least two full years in a College or Faculty of Arts of a recognized University.

The two years of college work must include:-

Physics—One year of general college Physics with laboratory work.

Biology—One year of general Biology or Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not Botany alone.

Chemistry—Two years:—

- (a) One full year of General Chemistry with laboratory work.
- (b) One full course in Organic Chemistry with laboratory work.

(This course may be covered in one half-year if desired.)

Courses specially designed to meet these requirements are offered in the Faculty of Arts of this University, where a student may take the two years of study required, or, if qualified (by Senior Matriculation or otherwise) may enter the Second Year, which comprises courses in Chemistry, Physics and Biology especially suited to the needs of prospective students in Medicine.

Intending students who wish to enter should under no circumstances come to the University without having obtained a statement of the value of the certificates they hold, as many of these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high. When a diploma or certificates does not show the marks obtained in the several subjects of the examination, it must be accompanied by an official statement containing this information.

APPLICATION FOR ADMISSION

Applications for admission to the Faculty of Medicine should be made upon the regular application form which may be obtained from the Secretary of the Faculty of Medicine. As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

If the applicant be accepted he will be expected to pledge himself to enter the Faculty of Medicine in September; otherwise his place will be given to another eligible candidate.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1926-27 on September 13th to September 18th, 1926. Those who register after September 20th will be required to pay a fee of \$5.00 if they do so during the first week of the session and \$10.00 if during the second. This fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination to be conducted by, or under the direction of, the Director of the Department of Physical Education, or by a recognized representative. Students of the Second Year, as well as those of all Years who wish to engage in athletic activities, are also required to be physically examined. The hours for this examination will be announced at registration.

By such examination, physical defects and weaknesses may be discovered. If such defects and weaknesses are amenable to treatment by corrective gymnastics, special exercise will be prescribed and instruction provided. The student will be advised as to what forms of exercise will be likely to prove beneficial or harmful.

Students who do not present themselves for the medical examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University. Re-examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination, failing which, they shall at once be vaccinated, in a manner satisfactory to the medical examiner.

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulation regarding medical examination.

Suspension from lectures for any cause, or absence from more than one-eighth of the total number of lectures given in any course, as shown by the monthly reports furnished to the Dean of each Faculty by the several professors and lecturers, shall be considered as sufficient ground to disqualify a student from engaging in athletic contests.

During the session and including the Christmas holidays, all teams and individual students desiring to participate in "outside"* athletics must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletic Manager, by whom all such sanctions are granted.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participation in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

Provision is made by the Department for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only, when requisitioned for by the Department. A leaflet concerning this service and the general work of the Department, together with the regulations governing athletics, will be distributed at the opening of the session.

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^{*}Outside athletics is interpreted to mean the athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

FEES

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 27th and 28th. They may be paid by cheque, which should be mailed so as to reach the Bursar by the date named.

Fees will also be accepted before September 20th.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

After September 28th or February 1st (in the case of those who pay by instalments) an additional fee of \$2.00 will be exacted of all students in default.

- 2. Immediately after October 1st, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Dean of the Faculty a list of the registered students who have not paid their fees, on receipt of which he shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.
- 3. Students registering after September 28th shall pay their fees at the time of registration, failing which they become liable for the additional fee of \$2.00 exacted of students in default.
- 4. The total Faculty fees for the medical course of five full sessions, including clinics, laboratory work, dissecting materials and reagents, will be one thousand two hundred and fifty dollars, payable in five annual instalments of \$250.00 each. This, however, does not apply in the case of students who entered before 1926.

At the request of the students themselves and by the authority of Corporation, an additional fee of \$17.00 will be exacted from all men undergraduates, for the support of the Literary Society, the Undergraduates' Society, the Canadian Club, the Union, the McGill Daily, and athletics.

Women students are required to pay, in addition to the tuition fees, \$3.00 for athletics and athletic grounds, \$2.50 for the Women Students' Society and \$1.50 for the McGill Daily.

The sum of \$10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made and a refund is granted at the close of the session.

5. Partial students will be admitted to one or more courses on payment of special fees.

- 6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc.
- 7. Students taking out extra dissecting material will be charged at the rate of \$10.00 for a half session, and \$20.00 for a whole session.
- 8. An ad eundem fee of \$10.00 is charged students entering from another university in any Year above the First.
- 9. When the degree of Doctor of Medicine and Master of Surgery is conferred in absentia, a fee of twenty dollars will be charged, unless the candidate has been specially exempted by the Faculty.
- 10. The fee for the graduate course in Public Health, including laboratory fee, the fee for outdoor work and the diploma fee, is \$100.00.

SUMMARY OF FEES

Sessional fee		\$205.00*
By Instalments:		φ200.00
First instalments, if paid before Sept. 28th	\$105.00†	
Second instalment, if paid before February 5th	105.00	
Microscope, first instalment (on deferred payment		
plan)	32.00	32.00
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc	17.00	17.00
MICROSCOPES	\$269.00	\$264.00

Each student is required to provide himself, on beginning his studies, with a first-class microscope for laboratory and private study throughout his course. The Faculty will supply the instruments necessary for demonstrations, etc. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6 and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of \$115.00 or on the deferred payment plan, by which payment is spread over five years as follows:—First Year, \$32.00; second year, \$25.00; third year, \$22.00; fourth year, \$20.00; fifth year, \$16.00.

†For students who enter in 1926-27 and thereafter \$127.00.

^{*}For students entering the University in 1926-27, and thereafter, this fee will be \$250.00.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 348 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the City met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

Information about boarding and lodging houses may be had on application to the Secretary at Strathcona Hall. A list of suitable houses is prepared about a fortnight before the opening of the session each year. Owing to frequency of change, this list is not mailed.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of from \$60 and upwards per month; or, separately, board at \$45 to \$55 per month, rooms from \$15 to \$20 per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served à la carte.

2. APPROXIMATE ESTIMATE OF COST OF COURSE

Tuition Fees	17.00 460.00	Moderate \$205.00* 17.00 560.00 170.00
	\$832.00	\$952.00

It will be noticed that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of \$10.00 which is made by each student at the commencement of the session. It might be well also to reckon on at least \$20.00 to \$25.00 per annum for subscriptions of various kinds.

The expense under the head of "Books and Instruments" can be reduced by purchasing these at second-hand.

^{*}For students entering the University in 1926-27, and thereafter, this fee will be \$250.00.

EXAMINATIONS AND PROMOTION

A. Examinations

- 1. Class Examinations, oral or written, are held during the session to test the progress of the student. If the standing obtained by any student in these examinations is unsatisfactory, he shall not be permitted to take the final examination.
- 2. Final or University Examinations are the ultimate test in determining a student's fitness for promotion or graduation. They are held at the end of the Winter and Spring Terms and during the fortnight preceding the opening of the Autumn Term in September.

The Final or University Examinations include the following subjects arranged in three divisions:—

First:			
1.	Anatomy	3	terms
2.	Histology	2	"
3.	Bacteriology		
4.	Physiology	3	terms
5.			"
Second:			
6.		1	term
7.	Pathology and Medical Juris-		
	prudence	5	terms
Third:—			
8.	Public Health and Preventive		
	Medicine	2	terms
9.	Obstetrics and Gynæcology	2	"
10.	Surgery (including Urology and		
	Orthopædic Surgery)	6	"
11.	Medicine (including Pediatrics,		
	Neurology, Psychiatry, Derma-		
	tology and Laboratory Diagnosis)	7	"
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In order to qualify for these examinations, a candidate must have attended a course or courses of study extending over at least the number of terms specified in each case, and in addition shall have passed such class examinations as may be prescribed in connection with the several courses.

3. Re-examination:—A student who has failed in the Final Examination in any subject may apply for re-examination at the next examination period. Applications must be in the hands of the Secretary at least one week before the date set for the beginning of the examinations, and the applicant must, at the same time, pay to the Bursar a fee of \$5.00 for each subject.

B. GRADING

At the conclusion of each course students will be graded in five groups, as follows:—

A = Honours
B = Good
C = Fair
D = Doubtful
E = Failure.

In reporting the grading, the names of those students who attain honour standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final and Class Examinations, but the instruction will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

C. PROMOTION

As noted in section A, the Final or University Examinations are arranged in three divisions. Whilst a certain latitude is permitted as to the time at which these examinations are passed, the following rules will be rigidly enjoined:—

- 1. First Division.—A student must pass the examinations in all subjects of the First Division before he will be permitted to begin the work of the seventh term.
- 2. Second Division.—The examinations in Pharmacology and General Pathology must be passed before a student will be permitted to proceed to the work of the tenth term. The examinations in Special Pathology and Medical Jurisprudence must be passed before the student may proceed to the work of the thirteenth term.
- 3. Third Division.—A candidate may pass the Final Examinations in Public Health separately from the examinations in the other subjects of the Third Division, but not earlier than the end of the twelfth term.

To qualify for the Final Examinations in Medicine, Surgery and Obstetrics, a candidate must have:—

- (a) Attended courses extending over a period of not less than fifteen terms.
- (b) Satisfactorily completed the prescribed courses of study and practice in:
 - i. Ophthalmology,
 - ii. Oto-laryngology,
 - iii. Abnormal Psychology and Psychiatry,
 - iv. Infectious Diseases,
 - v. Anæsthesia,
 - vi. Post-mortem Examinations,

and such other courses as the Faculty may from time to time determine.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

- 4. The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.
- 5. At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C, and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or retired from the Faculty.

Compared Pathology was the central form. The estimations in Special

MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

MEDALS

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Bio-chemistry, together with a creditable examination in the primary branches.

PRIZES

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Biochemistry and Bacteriology).

The F. Slater Jackson Prize. An annual prize of \$50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

FELLOWSHIPS

The A. A. Browne Memorial Fellowship.—The sum of \$10.000 has been received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of \$25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in pathology, given by the late Dr. James Douglas, open to McGill graduates only, tenable for six years and of the value of \$1,250 for the first year, increasing to \$2,500.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of \$60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately \$600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a permanent fellowship in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company. The fellowship has not been awarded this session.

The John W. Flinn Research Fellowship.—In 1921 Dr. John W. Flinn, of Prescott, Arizona, gave the sum of \$5,000, to be paid in five equal annual instalments of \$1,000, this sum to be used for the assistance of medical research in tuberculosis.

The Hiram N. Vineberg Fellowship in Gynæcology, of the value of \$250.00 per annum, donated in 1924 by Dr. Hiram N. Vineberg, of New York, a graduate of McGill University, 1878.

The J. W. McConnell Scholarship.—The sum of \$1,000.00 was donated to the Department of Surgery for purposes of research for the year 1925-26.

The P. P. Cowans Scholarship of \$1,000.00 was presented to the Departments of Surgery and Physiology for purposes of investigation in these subjects during the year 1925-26.

The "Hosmer" Scholarship of \$1,000.00 was presented by Dr. D. W. MacKenzie for the year 1926-27 for purposes of advanced study in the Department of Urology.

The Walter J. Hoare Memorial Scholarship.—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institute, Windsor, Ontario, and is awarded each year for the best examination for matriculation in the Medical Faculty of McGill University.

the Materialy Hospital or other hung-in hospital approved

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University, must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
- 3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the five years of the Medical course.
- 5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have reported at least ten medical and ten surgical cases.
- 6. He must also have attended during one full session the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered, under direction, at least six anæsthetics and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements and in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in the several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained. In order that disappointment and loss of time may be avoided upon graduation it is, therefore, strongly advised that students should register with the licensing body of their home province or state before beginning their medical course. In any case they must be registered not later than the end of the First Term.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

Quebec.—Dr. J. Gauvreau, 364 St. Catherine Street E., Montreal. Ontario.—Dr. H. Wilberforce Aikens, 170 University Ave., Toronto, Ont.

New Brunswick.—Dr. S. H. McDonald, 56 Colborne St., St. John, N.B.

Nova Scotia.—Dr. W. H. Hattie, Halifax, N.S.

PRINCE EDWARD ISLAND.—Dr. James Warburton, Kent Street, Charlottetown, P.E.I.

Manitoba.—Dr. J. E. Coulter, 604 Boyd Bldg., Winnipeg, Man. Alberta.—Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN.-Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUMIA.—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of said province.

Full information may be obtained by writing to the Registrar, Dr. R. W. Powell, 180 Cooper Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND ENREGISTRATION OF GREAT BRITAIN

The Matriculation Examination in Medicine of this University is accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in both primary and final subjects.

Detailed information may be obtained from one of the three registrars: Henry E. Allen, B.A., 299 Oxford Street, London; James Robertson, 54 George Street, Edinburgh; Richard J. E. Roe, 35 Dowson Street, Dublin.

RECIPROCITY WITH GREAT BRITAIN

The General Council of Medical Education and Enregistration of Great Britain has entered into reciprocal relations with the Medical Boards of the Provinces of Quebec, Ontario, Nova Scotia, New Brunswick, Prince Edward Island, Saskatchewan, Manitoba, and Alberta. A holder of a degree in Medicine of McGill University who has obtained the license of the Province of Quebec, may register with the Medical Council of Great Britain, and will be able to practise in Great Britain, South Africa, Australia, India and the West India Islands without further examination.

UNDERGRADUATE COURSES

1. THE MEDICAL COURSE

Each session is divided into three terms of ten weeks, and the medical course will be completed in fifteen terms—or, if the student se desire, he may proceed more slowly prior to taking the examinations for his degree.

The curriculum is so arranged as to permit of a student taking additional or advanced work in certain terms, while in the hospital year much more latitude will be afforded for independent study.

The tenth, eleventh and twelfth terms are arranged on a rotary system.

For information as to courses and examinations required, see p. 30.

2. DOUBLE COURSES IN ARTS AND MEDICINE B.A., M.D.

The degrees of B.A. and M.D. may be obtained in eight years. The first three years are taken in the Faculty of Arts, Physics being taken in the First Year, Chemistry 1 in the Second Year and premedical Biology and Chemistry in the Third. This is followed by the regular five-year course in the Faculty of Medicine, the B.A. Degree being granted on completion of the first medical year.

B.Sc., M.D.

The degrees of B.Sc. and M.D. may be obtained in eight years. Students who wish to proceed to advanced work in Physiology, Biological Chemistry, Pharmacology or allied subjects can qualify by taking the first four years of this course.

3. COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

The requirements for this degree are as follows:-

1. Honour standing in the examination in any two of the following subjects:—Anatomy (including Histology and Embryology),

Physiology, Biochemistry, Pharmacology and Pathology.

2. In addition to the regular undergraduate courses in Medicine, 240 hours of specialized study in a third one of these subjects, under the guidance of the department concerned and approved by the B.Sc. (Med.) Committee. In the examinations in the special subject honour standing will be exacted.

Candidates are strongly recommended to acquire a reading knowledge of both German and French, and their attainments, as shown by their record in the class lists in the undergraduate course, must be

distinctly above those of the average student.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.
ASSISTANT PROFESSOR:—I. MACLAREN THOMPSON.
LECTURER:—H. E. MACDERMOT.
SENIOR DEMONSTRATOR:—A. D. CAMPBELL.

DEMONSTRATORS:—

H. M. ELDER; F. N. K. FALLS; G. A. FLEET;
G. D. LITTLE; B. F. MACNAUGHTON;
R. BRUCE MALCOLM; L. H. McKIM;
T. M. RICHARDSON; A. ROSS; W. W. RUDDICK;
A. STEWART; F. J. TEES.

The required courses in Anatomy, Histology and Embryology are given in the first three terms of the Medical Course. In subsequent terms opportunity is afforded for a complete revision in Anatomy, together with optional courses of advanced work, both gross and microscopic.

REQUIRED COURSES

1. Lecture Course in Gross Anatomy.

Reference books:—Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology."

Recommended for Collateral Reading:—Keith's "Menders of the Maimed"; Hilton's "Rest and Pain."

2. Laboratory Course in Gross Anatomy.

Fifteen hours weekly during the Autumn and Winter Terms, and fourteen hours weekly during the Spring Term.

Professor Whitnall and Staff.

- 3. Tutorials: Devoted mainly to the study of Osteology and Surface Anatomy.
 - One hour weekly throughout the session...........Dr. MacDermot. Text-books:—Gray's "Anatomy"; Thompson's "Surface Anatomy."
- Discussions: Informal class discussions upon problems and difficulties.
 - One hour a week throughout the session.... Professor Thompson.

OPTIONS

- 5. Revision Course: An optional laboratory course covering the whole body.
 - Three hours weekly throughout the session for students who have completed the required work......Professor Whitnall and Staff.
- 6. Elective Work: Advanced or special work by arrangement. Six hours weekly during the Spring Term.

Professor Whitnall and Staff.

- 7. Ophthalmological Anatomy: Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology.
 - By arrangement. Details on application.....Professor Whitnall.
- 8. Oto-laryngological Anatomy: A similar course.

 By arrangement. Details on application.....Professor Whitnall.

HISTOLOGY AND EMBRYOLOGY

Associate Professor:—J. C. Simpson.
Assistant Professor:—

Lecturer in Histology:—W. M. Fisk.
Demonstrator:—Ivan Patrick.

REQUIRED COURSES

Histology and Embryology—Lecture Course.
 Three hours weekly during the Autumn and Winter Terms.
 Professor Simpson.

Text-books:-Jordan, Bailey.

- 2. Histology and Embryology—Laboratory Work.

 Seven hours weekly during the Autumn and Winter Terms.
- 3. Organogenesis: The development of the organs and systems of the human body.

 One hour a week throughout the Session......Professor Simpson.

 Reference books:—Arey; Keith.

OPTIONS

4. Special Histology and Embryology.

Laboratory course open to students who have completed Courses 1 and 2.

Three hours weekly (Saturdays mornings) throughout the Session.

 Optional Work: Advanced work, including microscopical technique.
 Six hours a week during the Spring Term. By arrangement.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR AND DIRECTOR OF EXPERIMENTAL MEDICINE:—JOHN TAIT.

Assistant Professor:-N. Giblin.

DEMONSTRATORS:—{HUGH E. BURKE. A. R. ELVIDGE. W. F. EMMONS.

In this department special provison is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate purposes Physiology has been linked up with Experimental Medicine, and the department, working in intimate association with the hospital wards, forms the headquarters for research in clinical problems along instrumental or "experimental" lines. At the same time the available graduate instruction is not confined to the immediate medical applications of Physiology, provision being made for dealing with the science in some of its wider biological implications.

REQUIRED COURSES

- 1. Introductory Course—Lectures and Demonstrations.
 Six hours a week during the Spring Term.
- 2. Systematic Physiology—Lectures and Demonstrations.
 Three hours a week—Autumn and Winter Terms.

 Text-books:—Howell, Macleod, Starling, Stewart.
- 3. General Laboratory.
 Six hours a week. Autumn Term.

 Text-book:—Sharpey-Schafer, "Experimental Physiology."
- Mammalian Laboratory.
 Six hours a week. Winter Term.
 Text-book:—Sherrington, "Mammalian Physiology."

OPTIONS—FOR GRADUATE STUDENTS

5. Advanced Lectures.

- 6. Advanced Laboratory.
- 7. Physiological Clinics.
- 8. Lecture Course on Structure and Function.

Professor Tait.

- 9. Physiological Colloquium.
- 10. Tutorial Class.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR:—A. B. MACALLUM. ASSISTANT PROFESSOR:—S. W. BLISS.

E. H. MASON. LECTURERS ON PATHOLOGICAL CHEMISTRY:—

[E. H. MASON.]

I. M. RABINOWITCH.

DEMONSTRATORS:—

S. A. BEATTY.

1. Biochemistry-Lecture Course.

During the first half of the course the lectures will deal with the chemical constitution, the physical and other characters and the relationships of the products of the activities of living matter, carbohydrates, fats, proteins, urea, ureides, purins, etc., and in the second half will involve an extensive discussion of (a) the origin, character and the active properties of the various ferments of the digestive tract; (b) the chemical and physical processes involved in, and the products resulting from, the digestion, absorption and assimilation of the foodstuffs in the human body; (c) the intermediate and ultimate products of metabolism, and (d) the chemistry of the tissues and of blood, bile and urine.

Four hours a week during the Autumn and Winter Terms.

2. Biochemistry-Laboratory Course.

The exercises will deal with the practical side of the subjects treated in the lecture course, such as the digestion of starch, fats, and proteins, the absorption and assimilation of fats, the metabolism of the carbohydrates absorbed, and of the products of protein digestion. Especial attention will be given to the methods of the qualitative and quantitative determination of the more important metabolites, such as urea, uric acid, creatine, creatinine, etc.

Twelve hours per week during the Autumn and Winter Terms.

Towards the close of Courses 1 and 2 in the second term, special attention will be given to Pathological Chemistry, which will involve a course of about twenty lectures and about fifty hours of practical work on metabolism in disease.

In addition to the written and practical examination exacted of each student in this course, oral examinations will be held and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Biochemistry for the year.

3. Pathological Chemistry—Laboratory Course:—(Given as a separate course for the last time in 1926-27.)

This course will co-ordinate with the lectures given in General Medicine and will cover the more exact methods of the determination of the constituents of the blood and urine in health and disease. On this course will be based the award of the Sutherland Medal for the session 1926-27.

Text-books:—Cole, "Practical Physiological Chemistry"; Halliburton, "Essentials of Chemical Physiology"; Plimmer, "Practical Organic and Biochemistry"; Folin, "Laboratory Manual of Biological Chemistry"; Hawk, "Practical Physiological Chemistry"; Lusk, "Science of Nutrition."

Reference books:—Robertson, "Principles of Biochemistry"; von Fürth, "Chemistry of Metabolism"; Baylis, "Principles of General Physiology."

PATHOLOGY AND BACTERIOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL.
ASSOCIATE PROFESSOR:—L. J. RHEA.

Assistant Professor of Bacteriology:—A. A. Bruère.

Assistant Professor of Pathology:—T. R. Waugh.

LECTURER IN PATHOLOGY:-J. W. SCOTT.

Lecturer and Douglas Fellow in Pathology:—W. H. Chase.

Lecturer in Bacteriology:—W. W. Beattie.

Demonstrator in Neuropathology:—A. Young.

Assistant Demonstrators:—

H. F. Dolan; J. C. Gemeroy;

K. S. MacLean; C. G. Menzies;

W. Middleton; H. G. Pretty.

CURATOR OF MUSEUMS:-E. L. JUDAH.

PATHOLOGY

REQUIRED COURSES

1. Introductory Course—The General foundations and relations of morbid life; including a consideration of the individual and ancestral factors, the direct effects of physical and chemical agents on the animal body; and a general exposition of parasitism.

Two lectures a week—Spring Term............Professor Oertel.

2. General Pathology and Pathological Morphology.

Comprising the philosophical and historic evolution of the conceptions of disease, pathogenesis and the structural changes incident to it.

Two lectures a week-Autumn and Winter Terms.

Professor Oertel.

3. Laboratory Course in General Pathological Anatomy and Histology.

Six hours weekly—Autumn and Winter Terms.

Pathological Institute......Professor Oertel and Demonstrators.

4. Special Pathology of the Circulatory, Respiratory, Digestive and Renal Systems.

One lecture a week-Spring, Autumn and Winter Terms.

Professor Oertel.

5. Laboratory Course in Special Pathological Anatomy and Histology.

One hour a week—Spring, Autumn and Winter Terms.

Pathological Institute......Professor Waugh and Demonstrators.

6. Diseases of the Blood-forming Organs.

One lecture a week—Spring Term and first half of Autumn Term.

Professor Waugh.

- 7. Pathological Anatomy of the More Important Ductless Glands.

 One lecture a week—Second half of Autumn Term...Dr. Chase.

- 10. Practical Course of Pathologico-Anatomical Methods and Diagnosis.

11. Performance of Autopsies-group instruction.

Autumn, Winter and Spring Terms.
Pathological Institute...........Dr. Chase and Demonstrators.

Montreal General Hospital. Professor Rhea, Dr. Scott and

Demonstrators.

- 12. Clinico-Pathological Conferences.

 Autumn, Winter and Spring Terms.

 Montreal General Hospital......Clinical and Pathological Staffs.
- 14. Clinico-Pathological Conferences.
 On cases from the medical service of the Royal Victoria Hospital.
 Once a week—Autumn, Winter and Spring Terms.
 Pathological Institute.........Medical and Pathological Staffs.

OPTIONS

- 18. Pathological Research: (Open to graduates.)
 By appointment.

Pathological Institute and Montreal General Hospital— Professors Oertel, Rhea and Waugh.

Reference books:—Oertel, "General Pathology"; Virchow, "Cellular Pathology"; Cohnheim, "Lectures on Pathology"; Ziegler, "Specielle Pathologie"; Delafield and Prudden, "Text-book of Pathology"; Wells, "Chemical Pathology."

BACTERIOLOGY

REQUIRED COURSE

OPTIONS

2. Bacteriological and Immunological Research.

Open to Graduates. By appointment.

Pathological Institute........Professor Bruère and Dr. Beattie. Reference books:—His and Zinsser; Muir and Ritchie; Jordan; McFarland; Mallory and Wright.

GRADUATE COURSES FOR HIGHER DEGREES

These courses in Pathology and Bacteriology are open to graduates for higher degrees and students of other Faculties. For special course for graduates for higher degrees, see Announcement of the Faculty of Graduate Studies.

MEDICAL JURISPRUDENCE

PROFESSOR: -D. D. MACTAGGART.

In this course the criminal and civil aspects of legal medicine are taken up and fully discussed, also lunacy and its medico-legal aspects. Special attention is devoted to the subject of blood stains, the chemical, microscopic and spectroscopic tests for which are fully described and demonstrated, also the serum test for the detection of human blood. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearance and chemical tests. The post-mortem appearances are fully illustrated by specimens. Injuries are fully discussed, with reference to their significance, under the Workmen's Compensation Act and Accident Insurance.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

(DEPARTMENT OF HYGIENE)

DIRECTOR:—

STRATHCONA PROFESSOR OF HYGIENE:—T. A. STARKEY.

ASSISTANT PROFESSORS:—

R. St. J. Macdonald.

F. B. Jones.

The instruction in Hygiene given to the medical undergraduates has been carefully designed to meet the requirements of the practitioner in medicine. It relates chiefly to the investigation of the causes of

disease, the channels of transmission and the adoption of modern preventive measures—all problems which are likely to confront the medical man daily in the prosecution of his duties.

In order that the importance and usefulness of Public Health and Preventive Medicine may be understood, an introductory course of an elementary character will be given in the First Year. The course proper is divided between the Third and Fourth Years.

The preventive aspect of Medicine is dealt with by all departments in the same manner as they consider diagnosis and treatment. The Department of Hygiene aims to correlate this teaching and to cover phases of the subject, such as public health administration, industrial hygiene, school health services, etc., that are not included elsewhere in the curriculum.

Industrial Hygiene deals with the study of occupational diseases; insanitary conditions in factories, workshops and other industrial establishments, and any other environment connected with the work which may be likely to undermine the health of the work-people; work and fatigue; general measures designed to preserve the health of the workmen, and to keep them fit and efficient, both inside and outside the works.

School health service forms another part of this course—bringing out the chief points connected with the scope of work and nature of duties of the School Medical Officer, a post so frequently undertaken nowadays by the general practitioner. The subject of periodic health examinations is dealt with, so that the need, value and procedure may be properly appreciated.

Numerous visits of inspection are made by the class to various places and establishments, chosen to illustrate the general principles of sanitation: housing and industrial establishments; schools; water and sewage works; refuse destruction; places dealing with food supplies, especially meats and milk; and welfare centres.

The Museum is completely equipped, and contains full-sized working models and apparatus illustrative of the application of all hygiene principles.

An optional practical course, more advanced than the one above referred to, is open to students wishing to go into greater detail.

The Laboratory is provided with all apparatus needed in every branch of public health work. Advanced students are furnished with separate quarters, and with every facility for the prosecution of research work.

Text-books:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Roseneau; Park.

PHARMACOLOGY

PROFESSOR: -R. L. STEHLE.

Assistant Professor of Therapeutics:—D. S. Lewis.

Lecturer in Pharmacology:—S. M. Rosenthal.

Lecturer in Anæsthesia:—Wesley Bourne.

Lecturer in Therapeutics:—D. Grant Campbell.

LECTURERS IN PHYSIO-THERAPY:— F. J. HARVEY.
NORMAN BROWN.

DEMONSTRATOR IN PHARMACOLOGY: --

REQUIRED COURSES

Second Year

1. Pharmacology.—The action of drugs is considered in as exact a fashion as possible from information derived by means of experimental methods and careful clinical observation. A serious attempt is made to familiarize the student with the chemistry of the drugs studied in so far as it is known.

Three lectures a week during the Spring Term, supplemented by one conference and one demonstration a week.

Professor Stehle and Dr. Rosenthal.

2. Pharmacological Laboratory.—The experiments are chosen to illustrate the lectures of the preceding course.

Two periods (six hours) a week during the Spring Term.

Professor Stehle, Dr. Rosenthal and Staff.

Third Year

3. Therapeutics.—The principles of therapeutics and the applications of drugs in Internal Medicine, Surgery, Gynæcology and the specialties are covered.

Two lectures a week during the Spring Term and one per week during the Autumn Term.

Professor Lewis and Drs. Bourne and Campbell.

4. Pharmacy and Prescription Writing.

Five lectures and five laboratory periods during the Winter Term.

Professor Lewis and Assistants.

5. Physio-therapy.

OPTIONS

Suitably prepared persons may undertake research at any time.

Advanced course leading to the degrees of B.Sc. (Med.), M.Sc.,
or Ph.D. will be arranged to suit individual cases. See Announcement
of the Faculty of Graduate Studies.

Text-books in Pharmacology: - Cushny, Sollmann, Dixon, Clark,

Poulsson.

MEDICINE

Professor and Director of the Department:—Jonathan C. Meakins.

PROFESSORS: - CAMPBELL PALMER HOWARD.
W. F. HAMILTON.
C. F. MARTIN.

ASSOCIATE PROFESSOR:—A. H. GORDON.

Assistant Professor and Assistant Director of the University Medical Clinic:—E. H. Mason.

Assistant Professor of Medical Research:—Maude E. Abbott.

Assistant Professor of Medical Research (Physics):—

T. R. Parsons.

Assistant Professor:—I. M. Rabinowitch.

J. G. Browne, J. Kaufmann, D. S. Lewis,

Lecturers:—C. F. Moffatt, C. A. Peters, C. F. Wylde.

Lecturer (Tuberculosis):—J. R. Byers.

LECTURER IN MEDICAL RESEARCH (BIOCHEMISTRY): -C. N. H. LONG

C. C. BIRCHARD, C. R. BOURNE,
D. G. CAMPBELL, KEITH GORDON,
R. H. M. HARDISTY, A. T. HENDERSON,
C. R. JOYCE, D. C. MACCALLUM,
A. H. MACCORDICK, H. E. MACDERMOT,
J. F. MACIVER, D. W. MCKECHNIE,
J. L. D. MASON, D. L. MENDEL,
LORNE MONTGOMERY, E. V. MURPHY,
E. E. ROBBINS, COLIN SUTHERLAND,
J. J. WALKER, J. C. WICKHAM.

Assistant Demonstrators:- \begin{cases} W. W. Alexander, H. F. Eberts, W. C. Gowdey.

Assistant Demonstrator (Tuberculosis):-J. Land.

RESEARCH FELLOWS:—{F. GREEN, JESSIE BOYD SCRIVER, W. DE M. SCRIVER, C. J. TIDMARSH.

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of

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the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and bio-chemistry with clinical medicine is emphasized—not only in the pre-clinical years but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital, there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals as well as by affiliation with other institutions.

Students must have followed up at least ten cases from their inception to a conclusion and be certified therefor.

REQUIRED COURSES

Sixth to Ninth Terms (2nd and 3rd years).

1. A course of lectures on the general principles of medicine, emphasizing and correlating the study of Anatomy, Physiology and Biochemistry in the signs and symptoms of disease.

Three hours a week-Spring, Autumn and Winter Terms.

Professors Meakins, Rabinowitch and Mason.

2. A course of clinical lectures twice weekly is given to demonstrate the application of the principles, as set forth in the course of lectures mentioned above.

Professors Meakins, Rabinowitch and Mason.

3. A course of practical instruction on physical examination and physical diagnosis. This course is given in the Wards and Out-patient Department of the Royal Victoria Hospital.

Professor Meakins and Assistants.

- 4. During the eighth and ninth terms, a limited number of cases are allotted to each student in the Wards for introductory instruction in case-reporting and general examination of patients. This is supplemented by bedside clinics.
- 5. A course in clinical microscopy of thirty periods is given in the laboratories of the Pathological Institute.

Four hours a week-Autumn and Winter Terms.

Dr. Kaufmann and Assistants.

Text and Reference books:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease"; Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; Krehl, "Basis of Clinical Symptoms."

Tenth and Twelfth Terms (4th Year).

6. A course of lecture-quiz exercises throughout the session on the "Principles and Practice of Medicine" by Osler and McCrae, with collateral reading assigned on various topics.

Professor C. P. Howard.

7. A course of theatre clinics at the Montreal General Hospital at which cases of unusual interest are presented.

Professor Gordon and Staff.

8. A course of bedside clinics to small groups at the Montreal General Hospital.

Professor Gordon and Assistants.

- 9. A course at the Out-patient Departments of Medicine and Pediatrics of the Montreal General Hospital, in small groups, where the student will act as a clinical clerk, taking routine histories, making a complete physical examination and performing some of the simpler laboratory tests. At the end of each period the interesting cases will be presented to the entire group by the physician in charge.
- 10. A course of clinical-pathological conferences for the entire class will be held once a week at the Pathological Laboratory of the Montreal General Hospital.

Professors Rhea, Howard, Gordon and Assistants.

11. Cases in the Medical Wards of the Montreal General Hospital are assigned to each member of the class for reporting. It is obligatory that each student shall present satisfactory case reports on at least ten patients during this course.

Text and Reference books:—Osler's "Practice of Medicine"; Taylor's "Practice of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-leaf System of Medicine"; Dieulafoy, "The Text-book of Medicine"; Strumpell, "Text-book of Medicine for Students and Practitioners"; McKenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Twelfth-Fifteenth Terms (5th Year).

Hospital year. Each student becomes virtually a member of the externe staff.

He is allotted in turn to various services of the hospital in the capacity of clinical clerk, participating in the keeping of records, the diagnosis and treatment of patients in wards and out-patient departments and in the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Regular theatre clinics are given only in the major subjects.

With the present limitation of students it becomes possible to give the student a closer familiarity than hitherto with practical scientific medicine and its allied subjects of neurology, psychiatry and pediatrics.

PEDIATRICS

CLINICAL PROFESSOR:—H. B. CUSHING.

A. B. CHANDLER.
F. M. FRY.
A. GOLDBLOOM.
L. LINDSAY.
S. GRAHAM ROSS.
R. R. STRUTHERS.

W. E. ENRIGHT.
W. E. WILLIAMS.
R. C. STEWART.
H. P. WRIGHT.

Instruction is given in all the clinical years. Emphasis is laid on the relation of Pediatrics to public health and community problems in medicine.

Seventh to Ninth Terms (3rd Year).

1. A series of clinical demonstrations to groups of students on the methods of physical examination of infants and children at the Royal Victoria Hospital, extending over a period of two weeks.

Professor Cushing and Assistants.

2. A series of demonstrations to groups of students on the manifestations of disease in children.

Winter and Spring Terms.

Royal Victoria Hospital......Professor Cushing and Assistants.

3. During the autumn and winter terms of this year a limited number of cases are allotted to each student in the Pediatric Ward for introductory instruction in case-reporting and general examination of patients.

Tenth to Twelfth Terms (4th Year).

4. A course of lectures dealing with the peculiarities and development of children, the principles and theory of infant-feeding, the diseases peculiar to children and the differences in the manifestation and treatment of ordinary diseases of adults and children.

Thirty lectures.

Medical Building......Professor Cushing and Assistants.

5. A series of clinics throughout the year, illustrating the lectures and demonstrating the ordinary diseases of childhood.

Children's Memorial Hospital.....Doctors Lindsay and Goldbloom.

6. A series of demonstrations to groups, in Out-patient Department and Children's Wards, on the examination, diagnosis and treatment of sick children.

Montreal General Hospital..........Dr. Chandler and Assistants.

7. A series of demonstrations to groups of students each week on the ordinary acute infectious diseases.

Alexandra Hospital.

Professor Cushing, Doctors D. Grant Campbell and E. V. Murphy. Thirteenth to Fifteenth Terms (5th Year).

8. Students act as assistants to the internes, report cases, attend ward rounds and Out-patient pediatric clinics in the various hospitals, supervised by the attending staffs of the hospitals.

9. A series of practical clinics to groups of students on infant

feeding and the care and development of young infants.

Montreal Foundling Hospital.

Doctors Lindsay, Goldbloom and H. P. Wright. 10. A series of theatre clinics on the principal diseases of infancy and childhood.

Montreal General Hospital......Dr. Chandler. 11. A series of clinics to groups on the acute infectious diseases. Alexandra Hospital.....Doctors Cushing, Campbell and Murphy. 12. A series of demonstrations to groups on prematurity, diseases of the newborn and the care and feeding of the newborn.

Montreal Maternity Hospital.

Doctors S. Graham Ross and R. R. Struthers. 13. A series of demonstrations in the various health centres and post-natal clinics on the care and feeding of normal children and the

various phases of undevelopment-by the attending staff of these clinics. Text-books:-Holt and Howland; Dennett; Feer; Still; Porter and

Carter; Morse and Talbot; Alan Brown.

NEUROLOGY

CLINICAL PROFESSOR: -C. K. RUSSEL. LECTURER: -F. H. MACKAY. DEMONSTRATOR:-N. VINER.

A course on Applied Anatomy of the Nervous System is given in the earlier years of study, and students of the First and Second Years are introduced, wherever possible, to neurological patients who illustrate the anatomy and physiology of the nervous system.

1. In the Third Year a series of demonstrations is given on clinical methods of examining the nervous system, and some of the commoner diseases are studied.

Professor Russel and Assistants. 2. Clincal lectures and demonstrations on neurology are given in the Fourth and Fifth Years of the course in the wards and medical theatre of the Montreal General and the Royal Victoria Hospitals.

Professor Russel, Dr. Mackay and Assistants.

A series of demonstrations on Neuro-pathology is given in the laboratory.

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS.

Lecturers: - { C. M. Hincks (Mental Hygiene). W. T. B. MITCHELL.

Demonstrators:—

A. G. Morphy.

H. A. Sims.

A. W. Young.

Instruction will be given in the Fourth and Fifth Years.

Required Courses

Tenth and Twelfth terms.

1. A course of didactic lectures, with clinical demonstrations of the commoner psychopathic conditions.

Thirteenth and Fourteenth Terms (5th Year).

2. Clinical instruction in groups is given at the Psychiatric Clinic at the Royal Victoria Hospital, which furnishes examples of the various psychoses, the border line cases, and enables the student to become familiar with forms of mental defect, delinquency and allied conditions. The Clinic deals, moreover, with patients sent for investigation from the charitable agencies of the city and co-operates with the work of the Canadian National Committee for Mental Hygiene.

Dr. Mitchell and Assistants.

3. Practical instruction.

Protestant Hospital for the Insane.

Professor Porteous and Dr. Mitchell. In all group instruction the student is taught methods of testing psychopathic cases, and of making detailed diagnoses, while the general and occupational therapy, etc., of such cases is dealt with in detail in the hospital services.

Text-books:—"Outlines of Psychiatry," White; "Clinical Psychiatry," Kraeplin; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt; "Diseases of the Nervous System," Jeliffe and White (1923 Ed.).

PSYCHOLOGY

Associate Professor:—J. W. Bridges.

An introductory course in Normal Psychology is given during the fourth, fifth and sixth terms, while in the succeeding three terms a course

of lectures is given on General and Abnormal Psychology, with special reference to the latter. Discussion will include the psychological principles underlying psychotherapy, relation of abnormal to normal mental life, mental hygiene, mental deficiency, intelligence tests and some reference to the psychology of insanity.

DERMATOLOGY

CLINICAL PROFESSOR:—G. G. CAMPBELL.

P. BURNETT.

J. F. BURGESS.

DEMONSTRATOR:—C. R. BOURNE.

The course is entirely clinical, consisting of a weekly theatre clinic, at the Montreal General Hospital, on specially selected cases, and outdoor clinics, weekly, by Drs. G. G. Campbell, at the Montreal General Hospital, and Philip Burnett at the Royal Victoria Hospital, throughout the session. Lantern slides are used to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Dermatology, Hartzell, McLeod, Darier, Campbell, Shamberg, Sutton.

HISTORY OF MEDICINE

PROFESSOR: -SIR ANDREW MACPHAIL.

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY

Professor and Director of the Department:—

E. W. Archibald.

Professor:—A. T. Bazin.

Associate Professor:—E. M. Eberts.

Assistant Professors:—W. L. Barlow, C. B. Keenan.
Lecturers:—F. B. Gurd, C. K. P. Henry, F. E. McKenty,
F. A. C. Scrimger, F. J. Tees.

Lecturer in Anæsthesia:—W. B. Howell.

Demonstrators:—Guy Johnson, L. H. McKim.

Demonstrators in Anæsthesia:— C. C. Stewart.
J. W. Armstrong.

Assistant Demonstrators:—John Armour, E. B. Chandler, G. A. Fleet, B. F. MacNaughton, R. B. Malcolm, Albert Ross, A. Stewart.

To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head, who has been given control of the teaching in the wards and outpatient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and itself a large railroad and industrial centre, is noted for the large amount and varied character of its clinical material. Indeed, the teaching in surgery is largely clinical and practical. In the Montreal General and Royal Victoria Hospitals there are between five and six hundred beds and also large out-patient departments.

REQUIRED COURSES

Seventh to Ninth Terms (3rd Year).

1. General Principles of Surgery.

Fifteen lectures during the Autumn and Winter Terms.

Medical Building.

- 2. During the Third Year, students are instructed chiefly in the out-patient department. They are brought into immediate contact with the patient, and taught how to make an examination, how to get a correct history, how to differentiate the abnormal from the normal, how to apply their anatomy to dress wounds, arrange and apply splints, and to reduce the similar fractures and dislocations. This is a valuable training, as the conditions met in an out-patient department are similar to those that form a considerable part of a practitioner's work.
- 3. Surgical Pathology. During the first few weeks of the session there will be given a short practical course in Surgical Pathology of an introductory character, which will take up the fundamentals of inflammation, wound repair, and tumours. This will be very largely a laboratory course, and is designed to give the student at the outset of his clinical education a view of the pathological basis of the commoner diseases and injuries such as he will see first in his subsequent hospital service.

 Autumn Term.
- 4. Ward Work. A small amount of ward instruction and individual case reporting will be introduced during the coming year. Royal Victoria Hospital.
- 5. Fractures. A special course of lecture demonstrations on fractures, taking up the general principles and illustrating these by cases will be given.

 Montreal General Hospital.

Tenth to Twelfth Terms (4th Year).

In the Fourth Year, students attend surgical clinics in the amphitheatre of the hospital three days in the week. They also attend in the wards of the hospitals in groups. Cases are assigned to them and they are required to examine them carefully, record the conditions found, arrive at a tentative diagnosis, and outline the treatment indicated.

- Surgical Clinics.
 Montreal General Hospital twice a week throughout the session.

 Royal Victoria Hospital once a week throughout the session.
- 7. Ward Work. A teacher of mature experience and of professorial rank teaches students in the wards and instructs them in groups.
- Montreal General Hospital.

 8. Lectures. During this year a series of thirty didactic lectures will be given upon the main types of disease and injury.

Thirteenth to Fifteenth Terms (5th Year).

(The Fifth is a purely hospital year.)

9. Theatre Clinics.

One amphitheatre clinic in the Royal Victoria Hospital and Montreal General Hospital once a week throughout the session.

10. Clinical Instruction.

Group teaching is carried out in the wards of the Royal Victoria Hospital, Montreal General Hospital and Children's Memorial Hospital.

Patients are assigned to the students in rotation and the latter are expected to make very careful and thorough examinations in the wards, do their own laboratory work under the direction of a supervisor, and to study the natural history, prognosis, and methods of treament, they are to be present when their cases are operated on and are required to prepare themselves with all the care and detail of the operating surgeon. Opportunities of assisting are afforded, and also of seeing closely the conditions that are found.

Students in this Year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and of the region implicated.

Every encouragement is given to originality and independence of opinion.

Didactic lectures and laboratory demonstrations on anæsthesia are given in the College by the Department of Pharmacology and Therapeutics to the Third Year, and practical instruction in the administration of anæsthetics is given in the hospital to students of the Fourth and Fifth Years.

Text-books:-

- 1. Operative Surgery: Binnie, John F., "Regional Surgery."
- 2. General Surgery: Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery."
- 3. Emergency Surgery:—Sluss, John W., "Manual of Emergency Surgery."
- 4. Surgical Anatomy: Treves' "Surgical Applied Anatomy."
- 5. Fractures: Scudder Charles L., "Treatment of Fractures."
- 6. Case Reporting: White J. Renfrew, "The Clinical Examination of Surgical Cases"; Ryerson, "Process of Diagnosis."

UROLOGY

CLINICAL PROFESSORS:—

DEMONSTRATOR:—M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals for instruction in the methods of diagnosis and treatment of surgical diseases of the urinary and male genital organs and syphilis.

During the Fourth Year they are given a course of fifteen lectures on the elements of the subject in the University, followed by fifteen clinics demonstrating typical cases in the Hospitals.

During the Final Year they receive clinical instruction on groups of cases presented for differential diagnosis, and students are required to discuss these cases and outline the treatment indicated.

Clinical clerkships are assigned in the urological wards, where cases are followed to a conclusion. Opportunity is here afforded for the complete study of a considerable number of cases.

Text-Book:—Keyes' Urology.

Collateral Reading: - Thompson Walker's Genito-Urinary Surgery.

ORTHOPÆDIC SURGERY

CLINICAL PROFESSORS:—

A. MACKENZIE FORBES.
W. G. TURNER.

LECTURER:—J. A. NUTTER.

DEMONSTRATOR:—W. J. PATTERSON.

ASSISTANT DEMONSTRATOR:—N. T. WILLIAMSON.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General

Each student attends clinics in Orthopædic Surgery at one of these

hospitals for ten consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnoses for, and to prescribe the treatment for, a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics for both adults and children suffering from orthopædic

affections.

In the Children's Memorial Hospital there is a great wealth of clinical material consisting of children who are suffering from the sur-

gical diseases of infancy and childhood.

Text-books:—Whitman's Orthopedic Surgery; Fraser on Tuberculosis of Bones and Joints of Children; Tubby and Jones on Surgery of Paralysis; Jones, Orthopedic Surgery of Injuries; Jones and Lovett, Orthopedic Surgery.

OBSTETRICS AND GYNAECOLOGY

PROFESSOR:—W. W. CHIPMAN.
ASSISTANT PROFESSOR:—H. M. LITTLE.

LECTURERS:—

W. A. G. BAULD.
H. C. BURGESS.
J. W. DUNCAN.
J. R. FRASER.
J. R. GOODALL.

OEMONSTRATORS:—

G. C. MELHADO.
DAVID PATRICK.
IVAN PATRICK.

Ninth Term (3rd Year).

1. A course of forty lectures on the fundamental principles of the subject, illustrated by diagrams, models and fresh and preserved specimens.

Four times a week—Spring Term.....Professor Chipman.

OBSTETRICS

Tenth to Twelfth Terms (4th Year).

2. Clinical instruction will be given during the year in the Royal Victoria Montreal Maternity Pavilion, and will include ante-natal care in the Out-patient Department and the conduct of labour and the puerperium in the case-room and wards of the Hospital.

Twelve hours a week during one term.

Fifth Year.

3. Rooms are provided in the New Pavilion where the students may reside, in groups of six, for a period of twelve to fourteen days. During his period of "interneship" the student will be expected to attend his out-door cases, and, under supervision, to deliver these women in their own homes.

Text-books:-Whitridge Williams; Webster; Evans; De Lee; Berry Hart.

GYNÆCOLOGY

4. Theatre Clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals.

Professor Chipman and Staff.

5. Practical instruction to small groups of students in the out patient departments of the Royal Victoria and Montreal General Hospitals.

Text-books:-Hart and Barbour; Blair Bell; Dudley Hurst; Gil liam; Anspach.

OPHTHALMOLOGY

Professor:—W. Gordon M. Byers. CLINICAL PROFESSOR:-G. H. MATHEWSON.

Lecturers: -\{S. H. McKee. F. T. Tooke.}

Demonstrators: -\{A. G. McAuley. J. A. MacMillan.}

Assistant Demonstrators:—

A. Bramley-Moore.
S. O. McMurtry.
Stuart Ramsey.

J. ROSENBAUM.

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:-

Ninth Term (3rd Year).

Routine examination of the eye.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are a main feature of this preliminary teaching.

Four hours—Spring Term.

Professor Byers, with Drs. Tooke and McKee and members of the Staff.

Tenth Term (4th Year).

2. Lecture-demonstrations.

This course, variously illustrated, covers the place of Ophthalmology in Medicine, the relation of the eye to other organs, and the general principles of the subject.

Ten hours-Autumn Term......Professor Byers.

Thirteenth to Fifteenth Terms (5th Year).

3. Clinical Ophthalmology.

This work is conducted in the ophthalmic clinic and wards of the hospital. The entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice,—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons on ophthalmic nursing and first aid.

Forty Hours—Four hours a week for ten weeks for each student.

Professors Byers and Mathewson, and Staff.

Text-books:—Parsons, May, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

Professor:—H. S. Birkett.
Lecturer:—H. D. Hamilton.

Demonstrators:--{D. H. Ballon. J. T. Rogers. Hamilton White.

Assistant Demonstrators:

G. E. Hodge.
K. O. Hutchison.
W. J. McNally.
J. E. Tremble.

The course of instruction in Oto-Laryngology is carried on in the wards and out-patient departments of both the Montreal General and the Royal Victoria Hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving practical instruction in these subjects. In these two hospitals there are about fifty beds set apart for this specialty.

The courses are designed to afford the student the opportunity of acquiring the oto-laryngological knowledge required by every general practitioner. The practical work is conducted in small groups, so that the personal instruction and supervision, so essential in this subject are given to each student.

Tenth to Twelfth Terms (4th Year).

1. Introductory Course.

Group instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in moist dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) The method of using the various instruments for examining the ear, nose and throat; (c) The usual tests for hearing; (d) The recognition of normal conditions of these special organs, as exemplified by clinical material.

Autumn Term......Professor Birkett, Dr. Hamilton and Staff.

2. Lecture Course.

Thirteenth to Fifteenth Terms (5th Year).

3. Clinical Oto-laryngology.

A course of clinical instruction in the out-patient departments and wards of the hospitals.

Autumn, Winter or Spring Terms.

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Professor Birkett, Dr. Hamilton and Staff. Text-books:—Chevalier Jackson and Coates; St. Clair Thomson; A. Logan Turner; H. Tilley; Kerrison; Phillips.

GRADUATE INSTRUCTION

1. Any graduate who so desires may attend any of the regular courses given to students of the Final Year. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. Post-graduate Courses: Special short courses lasting for four weeks during the spring, will be arranged. (Special Announcement later.)

4. Course for Diploma of Public Health: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

Every M.O.H. should possess this qualification.

Candidates must have graduated in Medicine, or must have had other qualifications to practise at least twelve months before they are allowed to receive the diploma.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:-

- (a) A course of lectures dealing in a comprehensive manner with the general principles of hygiene, preventive medicine and sanitation.
- (b) Bacteriology—a full practical course in general bacteriology, with special application to public health.
- (c) (1) Sanitary Chemistry. Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, articles of dress, house decorations, etc.; chemical investigations connected wth trades and occupations; (2) Physics. General principles only in their application to hygiene.
- (d) Practical Out-door Sanitary Work. An extended course under a M.O.H., affording facilities for instruction in sanitation relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc., etc.
- (e) Sanitary legislation and administration. Statutes and by-laws relating to public health and the powers of sanitary authorities; administration of the office of a Medical Officer of Health,

- (f) Vital statistics. Calculations and tabulations of returns of births, marriages and deaths and diseases.
- (g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of infectious diseases, of child hygiene and psychopathic diseases, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on sanitary conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course, including the diploma, is \$100.00.

5. Course for Medical Inspectors of Schools: The course is designed to acquaint the Medical Officer of Health with the conditions relating to the school child. The normal child is studied in all phases, his physical and mental fitness to undergo school training, his progress and development in the school. The hygienic conditions and surroundings are studied and all such features as may retard development.

Special instruction, therefore, is given to enable the medical officers to obtain not only a knowledge of the hygiene of the school child but also to detect the earliest signs of defect or disease.

The following subjects are dealt with as specially applied to this object in view:—

General medicine relating to school life—feeding, nutrition, mental deficiencies, communicable diseases, dermatology, etc.; orthopædics in its relation to the school child; oto-laryngology and ophthalmology; regional anatomy; hygiene and sanitation; administration and the relation of the school medical officer to Public Health authorities.

Visits are paid to various schools for personal observation of the technique of these inspections.

6. Graduates desiring special instruction in Industrial Hygiene or School Hygiene may apply to the Head of the Department.

BUILDINGS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and geographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University is thus made easy.

The following hospitals and institutions are at the disposal of the

teaching staff and students for clinical and pathological study:-

Royal Victoria Hospital.

Montreal General Hospital.
Children's Memorial Hospital.
Foundling Hospital.
Alexandra Hospital for Infectious Diseases.
Protestant Hospital for the Insane.
Royal Edward Institute for Tuberculosis.

The Maternity Hospital, from the teaching standpoint, is under the control of the University.

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 38,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museum of Anatomy. The Faculty of Dentistry is also in this Building.

The new Library rooms for the reception of the Osler Library are now complete and await its arrival.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184' x 60'—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

HOSPITALS

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Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University St. and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the latter it draws chiefly its material. It was constructed at a cost of \$460,000; is of Montreal stone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

The Medical School is closely affiliated with a group of active general and special hospitals, the staffs of which are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 1,073 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 380 public beds. During 1924, it cared for 9,070 cases, while in its outdoor department, 56,309 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic has just been established.

There were 265 post-mortems during 1924.

The number of resident physicians is 34.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized outpatient service which is of the greatest benefit to the undergraduate student.

There are 10 resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 300 public beds. In 1924 there were 6,125 admissions to its wards. The large, reconstructed outpatient department, probably the finest in this country, treated last year 167,000 patients. Many modern additions to the original buildings have been made. During the last year, a large biochemical laboratory has been finished and completely equipped.

There were 257 post-mortems during the year.

The number of resident physicians is 35.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs, and a hospital dental clinic unequalled anywhere.

The Western Division of the Montreal General Hospital— The Western General Hospital. A hospital for the treatment of acute diseases, with 62 public beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. The number of resident physicians is 7.

The Children's Memorial Hospital has 130 public beds, and, in 1924, admitted 1,329 patients. The attendance at its out-door department totalled 13,072 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of cases, and enables the student to get a broad conception of pediatrics. Of special interest are the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pediatrics.

The Montreal Foundling and Baby Hospital affords a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and, in 1924, 1,512 patients were admitted to the hospital. There were 24 autopsies.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of Psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute—a dispensary for tuberculosis—offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian:—C. F. Wylde.

Assistant Librarian:—Miss Jean Cameron.

Assistants:
Miss Pauline M. Carrière.

Miss C. Davidson, B.A.

Miss Patricia Burns.

Miss Edith Gordon.

"The history of the Library is the history of the Faculty."

Professor Hall.

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating 75 readers. On this floor also are the journal room and private offices. The second floor contains the stack room, the book stacks at present containing about 38,000 volumes and having a total capacity of sixty thousand volumes.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible and thus to increase the value of the reference department of the Library. There is also a great duplicate collection of journals from which distribution can be made on the exchange basis.

There is no printed catalogue, but there has been compiled a comprehensive list of continuations with their inclusive volumes, and this list will be available for out-of-town borrowers.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9.00 a.m. to 6.00 p.m., except Saturday, when it closes at 5.00 p.m. After June 1st it is open from 9.00 a.m. to 5 p.m., Saturdays, 9.00 a.m. to 1.00 p.m. During July and August it is closed on Saturday.

MEDICAL SOCIETIES

1. THE McGILL MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
 - (2) To stimulate interest along medical lines.
 - (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councilmen (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the senior year.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

Department of Pharmacy

OFFICERS OF ADMINISTRATION

SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D., Principal and Vice-Chancellor.

C. F. MARTIN, B.A., M.D., Dean of the Faculty of Medicine.

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A. P. S. GLASSCO, B.Sc., Secretary and Bursar.

J. A. NICHOLSON, M.A., LL.D., Registrar.

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- R. L. Stehle, M.A., Ph.D., Professor of Pharmacology, Biological Building.
- R. F. RUTTAN, B.A. (Toronto), M.D., D.Sc. (Toronto), F.R.S.C., Professor of Chemistry, 660 Sherbrooke Street West.
- A. S. Eve, C.B.E., M.A. (Cantab.), D.Sc., F.R.S.C., F.R.S., Professor of Physics, 490 Mountain Avenue, Westmount.
- Francis Ernest Lloyd, M.A. (Princeton), F.R.S.C., Professor of Botany, Biological Building.

DEPARTMENT OF PHARMACY

GENERAL ANNOUNCEMENT

The Montreal College of Pharmacy, organized as a teaching body in 1867, for fifty years successfully carried on the work of instructing pharmaceutical students, and for many years it was the only institution in the Province of Quebec offering such instruction.

During the summer of 1916 this College was taken over by McGill University, and a Department of Pharmacy was established in connection with the Faculty of Medicine.

Special instruction on all subjects required by the future pharmaceutical chemist is given in the class room and laboratories of the University, the students of Pharmacy having access to its splendid equipment.

The work of the Department embraces courses in Botany, Physics, Chemistry and Practical Chemistry, Theoretical and Practical Pharmacy, Dispensing, Materia Medica and Toxicology.

The ninth session of this Department will be opened on Monday, September 20th, 1926.

Students registering this session will take notice that the course in Pharmacy now covers a period of three years, the work being distributed as follows:—

First Year

Physics, Junior Chemistry and Junior Practical Pharmacy.

Second Year

Materia Medica, Junior Theoretical Pharmacy, Senior Chemistry and Botany.

Third Year

Materia Medica and Therapeutics, Analytical Chemistry and Senior Practical Pharmacy.

ENTRANCE REQUIREMENTS

For entrance into the Department of Pharmacy the University accepts the preliminary examination of the Pharmaceutical Association of the Province of Quebec in default of the B.A. degree or Arts matriculation (B.A. Course), particulars of which will be found in the General Announcement.

The regulations regarding the Preliminary Examination of the Pharmaceutical Association of the Province of Quebec are as follows:

A diploma of Bachelor of Arts, Science or Letters from a Canadian or British University, is accepted in lieu of the preliminary examination. In this case the candidate must register his application with the Secretary of the Association, and produce his diploma, together with personal proof of his identity.

The candidate for the study of Pharmacy must give satisfactory certificates of good morals, as well as identification and a recent photograph duly attested. He must be a British subject of the male sex and not less than seventeen years of age. He is also required to pay the fee in advance.

The examination which the candidate is required to undergo embraces the following subjects:

GROUP I. LETTERS :-

1. Mother tongue (English or French), dictation, grammar, syntax, analysis, composition. English candidates will also be required to have a critical knowledge of Shakespeare's "Macbeth."

LITERATURE:—The study of the principles of *Belles Lettres* and *Rhetoric*; notions of the different classes of literature; a knowledge of the principal authors who have especially exemplified these different classes in Greek, Roman, French, and English literature.

- 2. Auxiliary language (English or French), translation in both languages. Books recommended "Telemaque" and "The Vicar of Wakefield" by Oliver Goldsmith, grammar and syntax (French for English candidates and English for French candidates).
- 3. Latin.—Virgil, book VI. Cicero, "Pro Milone." A sound knowledge of grammar, and syntax as exemplified in the texts chosen.
 - 4. History-French, English, and United States.
- 5. Geography—Notions on universal geography—A special knowledge of the geography of France, England and North America.

GROUP II.—SCIENCES:—

- 1. Arithmetic:
- (a) Ordinary and decimal fractions, single and compound proportion, interest, percentage and square root; problems.
- (b) Units of measure in use in Canada—"Linear, surface and volume"; metric system.
- (c) Mensuration:—Computation of areas and volumes of simple geometrical figures; problems.
- Algebra:—Fractions and equations of the first degree of one or more unknown.
 Geometry:—The first four books of Euclid; proofs.

3. Physics and Chemistry. Physics: Elementary notion on mechanics, weight, hydrostatics, pneumatics, capillarity, osmosis, optics and heat. Chemistry:—General knowledge, definitions, the elements, principal laws of chemical reactions, properties of the principal metalloids and their compounds.

For admission the candidate must obtain at least the following percentage in the different subjects:—

Mother tongue and arithmetic, 60 per cent.; other subjects, 50 per

cent.; and on the total, 60 per cent.

The candidate who fails in one subject only, of the above groups, either of letters or of sciences, may present himself for examination in that subject at any one of the four subsequent examinations.

The candidate may try for science or letters at different examinations, separately, or for both of these two groups at the one examination. Clear and legible writing is required.

Fee, \$20.00 or \$10.00 for each group.

The preliminary examinations for admission are held in Montreal and Quebec, the first Thursday of January and July of each year.

The registration of candidates for the examinations must be made at the office of the Registrar of the Association at least ten days before the date set for the examinations. A blank register form can be obtained from the Registrar, and must be signed by the candidate.

The major and minor examinations are held at Montreal in April, and at Quebec in the Autumn.

REGISTRATION

Students in Pharmacy are required to register at the office of the University Registrar between September 13th and September 18th, both days inclusive. Students entering on or after Monday, September 20th, will not be allowed to register until they have paid a late registration fee of \$5.00 during the first week of the session, and of \$10.00 during the second. This will not be refunded except for satisfactory reasons and by special authorization of the Faculty.

EXAMINATIONS

Examinations in each subject are held at the close of the course. Students who pass in all subjects of the curriculum, as required by the Pharmaceutical Association of the Province of Quebec, will receive the University Diploma of Pharmacy. A minimum of 50 per cent. in each subject is required to pass, and 75 per cent. for honours. The examination requirements of the Pharmaceutical Association of the Province of Quebec for license to practise Pharmacy in the Province are stated on page 78.

FEES

All students must register with the University Registrar before paying their fees.

For the session 1926-27 the fees for separate courses will be as follows:—

Registration fee	\$ 5.00
Fee for Athletics and Athletic Grounds	3.00
Course in Junior Chemistry and Physics	50.00
Course in Senior Chemistry	50.00
Course in Junior Materia Medica and Pharmacy	50.00
Course in Senior Materia Medica and Pharmacy	50.00
Course in Practical Pharmacy (Junior)	50.00
Course in Practical Pharmacy (Senior)	50.00
Course in Analytical Chemistry	50.00
Course in Botany	25.00
Diploma Fee	
Fee for Supplemental Examination, each subject	5.00

Certain fees are payable to the Pharmaceutical Association of the Province of Quebec for registration, examinations, and for the licentiate in pharmacy. (See page 80.)

PRIZES

For the session 1926-27 a medal is offered as a prize to the graduate who obtains the highest total percentage over 80 per cent.

TEXT-BOOKS RECOMMENDED

PHARMACY AND PRESCRIPTIONS:—Remington's Pharmacy, Bennett's Medical and Pharmaceutical Latin, Scoville's Art of Compounding, Art of Dispensing, Lucas' Practical Pharmacy.

CHEMISTRY:—Junior and Senior Chemistry.

Reference Book: - Sadtler and Coblentz, Pharmaceutical and Medical Chemistry.

Physics:—Balfour Stewart's Elementary Physics, Ganot's Physics, Peck's Ganot's Physics.

BOTANY: —Gray-Robinson Manual, Kraemer's Applied and Economic Botany.

MATERIA MEDICA:—British Pharmacopœia, United States Dispensatory, Squire's Companion to the British Pharmacopœia, Royal's Materia Medica. Sayre's Organic Materia Medica and Pharmacognosy, Heebner's Synopsis.

Toxicology:—Trumper.

COURSES OF LECTURES

CHEMISTRY

Two courses will be required for the Diploma in Pharmacy, namely the junior and senior.

Junior Chemistry.—This includes elementary physical science and a university course on the general principles of the science of chemistry. A course in elementary physics will be taken with the students in the School of Commerce and will consist of a series of twenty-five lectures on the principles of physics and their application. The course is non-technical and is intended as an introduction and supplementary to the course in general chemistry. The course in general chemistry will consist of three lectures per week, given for the students in Arts and pre-medicals, on Monday, Tuesday and Thursday, at two o'clock. In addition to these lectures, there will be two laboratory periods each week of two hours, immediately following the lectures on Monday and Thursday. This course in general chemistry is intended to give a thorough grounding in the fundamental principles governing chemical action and the formation of chemical compounds, organic as well as inorganic.

Senior Chemistry.—The senior course in chemistry will be a short course of laboratory work on the identification and separation of organic and inorganic compounds of special importance in Pharmacy, and will include elementary toxicology, the assay of crude drugs, volumetric analysis, analysis of urine, the use of spectroscope, etc.

Both courses of chemistry will be given by Dr. Ruttan and members of the staff of the Department of Chemistry.

PRACTICAL PHARMACY

Junior.—This course will embrace (1) the preparation of a number of typical examples drawn from the official dilute acids, waters, liquors, plasters, extracts, fluid extracts, mixtures, liniments, oleates, syrups, ointments, etc. (2) General principles to be observed, simple and compound powders, mixtures, emulsions, their nature and preparation; pills and pill coating, gargles, lotions, liniments, suppositories, plasters, ointments, cachets, capsules, tablets and tablet triturates, lozenges and pastilles, lamellae, incompatibility, Pharmacy law.

Senior.—Practical Pharmacy in all its branches will be thoroughly dealt with. The course will include the following subjects:—Clarification, crystallization, decantation, dialysis, distillation, drug grinding, extraction, filtration, heat, metrology, percolation, precipitation, solution, specific gravity, specific volume and vaporization.

In conjunction with the foregoing, the class will practise the modus operandi for the manufacture of different preparations of the B. P., and others, including chemical solutions, elixirs, spirits, plasters, emulsions, ointments, granular effervescent salts, crystal and scale salts of iron, resins, oleo resins, etc.

Particular attention will be given to pharmaceutical assaying, such as opium, ipecac, belladonna, cinchona, nux vomica.

MATERIA MEDICA AND THEORETICAL PHARMACY

Junior.—This will include instruction in pharmaceutical jurisprudence, poison schedules, weights and measures; classification of the official organic drugs, including leaves, flowers, fruits, seeds, herbs, barks, gums, resins, etc., with the geographical source, parts used, and official preparation of each; posology; theoretical pharmacy (embracing the theories of manufacture of the simple preparations of the B. P., such as medicated waters, syrups, tinctures, compounds, powders, pill masses, etc.); dispensing.

Senior.—Complete classification of all official organic and inorganic drugs, giving, in the former, the mode of collection and preservation, geographical and botanical sources and parts used—and in both instances the constituents and impurities, also the medicinal properties of each, with their preparations (animal drugs, such as pepsin, pancreatin, thyroids, etc., will be dealt with in a similar manner); posology; pharmacognosy; toxicology; theoretical pharmacy (embracing the theories of manufacture of the more complex galenical official preparations); adulterants, impurities and the methods of detection.

BOTANY

General Botany.—General external morphology of the higher plants (higher cryptogams and phanerogams); anatomy and histology, the latter treated with more especial reference to methods of drug identification by means of the microscope.

General Physiology.—Elementary plant physiology, treated briefly.

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Special Botany.—Structure of those plants below the pteridophytes of use or interest to the pharmacist, treated briefly; special morphology of pteridophytes and phanerogams, and their classification. Attention will more especially be given to those families (about 30) of plants chiefly represented in materia medica.

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EXAMINATIONS FOR ADMISSION TO THE PRACTICE OF PHARMACY

(1) EXAMINATION TO OBTAIN THE CERTIFICATE FOR ASSISTANT PHARMACIST

To become an Assistant in Pharmacy the candidate must furnish proofs of having registered three years as a student in Pharmacy, also that he has served at least three years under a doctor or druggist duly registered; he must pay the fee required, and pass an examination on the medico-pharmacal sciences, Physics, Chemistry and Pharmacy. (Art. 4997, Law of Pharmacy.)

The candidate must be able to read prescriptions in script, translate them into English and French, write fully and legibly all the abbreviated words; point out the doses which are unusual, prepare, label and address properly the prescription, under the scrutiny of the examiner.

The candidate must recognize the Galenic preparations of the B. P., such as extracts, tincture, powders, etc.; describe the composition of the compound preparations, giving the proportions of their active ingredients, the mode of preparation, and the doses. He must be able to describe properly in the presence of the examiner the different official Galenic preparations.

He must recognize samples of roots, barks, leaves, fruits, etc., employed in medicine, and name the official preparations into which they are incorporated; have a knowledge of the laws of physics and chemical combinations, of the nature and properties of the elements and their compounds, and recognize the acids, oxides, salts and other chemical bodies, described in the B. P., and also give their doses.

(2) FINAL EXAMINATION FOR LICENTIATE IN PHARMACY

The Final Examination to be passed by the candidate includes all the subjects required for the Assistant in Pharmacy Examinations, but a more thorough knowledge of these sciences is required, also practical analytical Chemistry and Botany.

The candidate will have to describe the methods of obtaining acids, oxides, salts and other chemical compounds described in the B. P., explain the decompositions which take place when they are made, by means of written equations and diagrams, and also possess a good knowledge of the new synthetic products.

He must recognize the more important medicinal plants; know the therapeutics and posology of B. P. preparations, also the non-official plants which are used commonly, know the physiology and anatomy of plants, the shape, structure and characteristics of the roots, barks, leaves, flowers, fruits, etc.; their physiological functions and their natural order.

He will be required to know the best antidotes for urgent cases of poisoning by the ordinary toxics, and must pass in a satisfactory manner the test on practical pharmacy, analytical chemistry, volumetric, and urine analysis.

He must also show that he is registered as an Assistant Pharmacist, and give proofs of having duly served four years under a doctor or druggist duly registered; that he has followed for two years the Medico-Phamacal classes, two years of Physics and Chemistry classes, one year's course in Botany and other natural sciences, according to the programme established in institutions incorporated and authorized by the Council of the Association; pass the examinations on the above subjects, and pay the fee. (Art. 4997, Law of Pharmacy.)

However, the student in Pharmacy or the certified clerk may, if he so desire, give up a whole twelve months exclusively to the study of Pharmacy. (Art. 4997.)

The Board of the Pharmaceutical Association will accept only one course in any subject in the same year; classes attended during the same scholastic year in different schools will count for one course. Private or academy classes will not be accepted.

At the Junior and Final Examinations, students must obtain 40 per cent. of points on each subject, at the written examinations, and 50 per cent. on the total number of points, to be admitted to the oral examinations; but the student who passes satisfactorily the written examination is not obliged to begin it over again if he fails in the subsequent oral examination. At the oral examination, they must obtain at least 40 per cent. on each subject, and finally to obtain their license, they must obtain 60 per cent, of the total examinations, oral and written united. Any candidate receiving less than 40 per cent. on any one subject in the written or oral examinations, may apply at the following examination to be examined on this one subject. A candidate who fails to obtain the necessary 40 per cent. in two or more subjects must take all subjects of the examination over again. Any candidate who does not apply at the next examination following to take the subject in which he has failed, or who tries and fails again, will have to take the whole examination, either written or oral, as the case may be.

No certificate of examination will be accepted from any Pharmaceutical Association or College, unless it has been granted after a service of four years in a drug store and following a course of studies which in the opinion of the Board of the Association is equivalent to that required by the articles 4997-4998 of the Law of Pharmacy of the Province of Quebec.

Candidates who apply for the final examination, and who are not twenty-one years old, will be admitted to the examination, but if they succeed their license will be retained until they have obtained the age of twenty-one.

FEES FOR THE EXAMINATIONS

The fees to be paid by candidates, besides the registration fee, before they are admitted to the examination, are as follows:—Preliminary examination, \$20.00, or \$10.00 for each group; Assistant in Pharmacy, \$15.00, and Pharmacist, \$25.00. These fees must be paid in advance to the Registrar of the Association.

Any person having registered his name for an examination and not attending will lose the fee paid.

In addition to the above, a sum of \$40.00 is required for the Diploma of Assistant Pharmacist, and \$75.00 for the diploma of Licentiate in Pharmacy.

McGILL UNIVERSITY

MONTREAL



ANNOUNCEMENT

OF THE

FACULTY of MEDICINE

FOR THE SESSION 1927-28

NINETY-SIXTH SESSION

MONTREAL:

Printed for the University by the Gazette Printing Company, Limited

1927

The following official publications are issued by the University and may be had on application to the Registrar:—

Announcements of Faculties and Departments as follows:-

Faculty of Arts and Royal Victoria College.

Faculty of Applied Science.

Faculty of Law.

Faculty of Dentistry.

Faculty of Medicine and Department of Pharmacy.

The Conservatorium of Music.

The School of Commerce.

Faculty of Graduate Studies and Research

The School for Graduate Nurses.

The School for Social Workers.

The School of Physical Education.

Macdonald College Announcement.

General Announcement.

The Calendar.

The Annual Report.

Matriculation Examination Papers (Price, 25 cents).

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Governing Body of the University.

VISITOR

HIS EXCELLENCY RIGHT HONOURABLE VISCOUNT WILLINGDON, G.C.S.I., G.C.M.G., G.C.I.E., G.B.E., GOVERNOR-GENERAL OF THE DOMINION OF CANADA.

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SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D.

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GERHARD R. LOMER, M.A., Ph.D., Librarian.

ARTHUR S. LAMB, B.P.E., M.D., Director of the Department of Physical Education.

To retire September 30th, 1928

ALEXANDER O. McMurtry, B.A., Representative Fellow in Arts.

H. S. BIRKETT, C.B., M.D., LL.D., Elective Fellow, Faculty of Medicine.

C. E. FRYER, Ph.D., Elective Fellow, Faculty of Arts.

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HUGH E. MACDERMOT, M.D., Representative Fellow in Medicine.

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E. Brown, M.Sc., M.Eng., Elective Fellow, Faculty of Applied Science. Shirley G. Dixon, B.A., B.C.L., Representative Fellow in Law.

REV. GEORGE H. DONALD, M.A., Governors' Fellow.

LAWRENCE D. McCLINTOCK, B.S.A., Representative Fellow in Agriculture.

D. A. MURRAY, Ph.D., Governors' Fellow.

To retire September 30th, 1929

Rev. D. J. Fraser, M.A., LL.D., D.D., Representative Fellow, Presbyterian College, Montreal, Principal.

W. G. TURNER, B.A., M.D., Representative Fellow in Medicine.

G. K. McDougall, B.Sc., Representative Fellow in Applied Science.

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F. H. MEWBURN, M.D., LL.D., Representative Fellow, Western Provinces.

CASEY A. WOOD, M.A., LL.D., Representative Fellow, Countries outside of Canada.

To retire September 30th 1930

-, Representative Fellow in Arts.

REV. E. LESLIE PIDGEON, B.A., D.D., Governors' Fellow.

CYRUS MACMILLAN, M.A., Ph.D., Elective Fellow, Faculty of Arts.

J. C. HEMMEON, M.A., Ph.D., Elective Fellow, Faculty of Arts.

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MISS CLARA LICHTENSTEIN, Elective Fellow, Faculty of Music.

—, Representative Fellow in Dentistry. -, Representative Fellow in Music.

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C. F. MARTIN, B.A., M.D.

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(Office Hours:—9 to 5.)

REGISTRAR

J. A. NICHOLSON, M.A., LL.D.:—OFFICE, EAST WING, McGILL COLLEGE.

(Office Hours:—9 to 5.)

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GERHARD R. LOMER, M.A., Ph.D.

CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1927-28

1927 Autumn Examinations begin. Sept. 12 Monday, Register opens for students in Medicine. Autumn Term begins. Wednesday, " 21 Founder's Day. Convocation for conferring Thursday, Oct. 6 Degrees. Opening address for the session. Register closes for the session. Sports Day. No lectures. " 14 Friday, Thanksgiving Day. No lectures. Nov. 7 Monday, Autumn Term ends. Tuesday, Wednesday, " 30 Winter Term begins. Wednesday, Dec. 21 Last day of lectures before Christmas. 1928 Lectures resumed. Thursday, Jan. 5 Winter Term ends. Tuesday, Feb. 21 Ash Wednesday. No lectures. Wednesday, 22 Examinations begin for 1st and 2nd Years. " 23 Thursday, Spring Term begins for 3rd, 4th and 5th Years. Spring Term begins for 1st and 2nd Years. Wednesday, Mar. 1 Friday, Apr. 6 Good Friday. No lectures. Saturday, "7 No lectures. Spring Term ends for 3rd, 4th and 5th Years. May 2 Tuesday, Spring Term ends for 1st and 2nd Years.

" 29 Convocation for Conferring Degrees.

Tuesday,

Tuesday,

9

Faculty of Medicine

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Francis J. Shapherd, M.D., LL.D (Edin., McGill, Queen's and Harv.), F.R.C.S. (Hon.) (Edin. and Eng.), F.A.C.S. (Hon.). Emeritus Dean of the Faculty of Medicine and Emeritus Professor of Anatomy. 1484 Mansfield St.

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HISTORICAL SUMMARY

(Faculty of Medicine.)

	(Tacuty of account of the control of
	1821-1927
1744	James McGill, born October 6th (Founder's Day). Died 1813.
1801-02	Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.
1811	Will by James McGill leaving landed estate and £10,000 to Royal Institution for Advancement of Learning for founding a University.
1818	Royal Institution for Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street.
1821	Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College, Corner-stone of new Montreal General Hospital laid.
1822-24	Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1824, there were four teachers and twenty-five students.
1829	Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.
1831	Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.
1832	Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
1833	First University degree conferred in Medical Faculty upon W. Logie.
1836-37	Faculty removed to building next to present Bank of Montreal
1840	Faculty removed to St. George Street.
1842	Arts Building erected on University grounds, where medical lectures were held 1845-51.
1852	Faculty removed to Côté Street.

- 1855 Sir William Dawson appointed Principal.
- 1860 Geo. W. Campbell appointed Dean, serving till 1882.
- 1872 First independent Medical Faculty building on University ground.

 Graduation of William Osler.
- Geo. W. Campbell Memorial Fund for Medical Faculty (\$50,-000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, \$50,000).

 R. P. Howard appointed Dean.
- New laboratories erected in Medical Building (Lord Strathcona, \$100,000).
- 1889 Robert Craik appointed Dean-George Ross, Vice-Dean,
- 1893 Sir William Peterson appointed Principal.

 Pathological Laboratory erected (John H. R. Molson, \$60,000);

 Chairs of Hygiene and of Pathology endowed (Lord Strathcona, \$100,000).

 Mrs. Mary Dow Endowment Fund presented to Medical Faculty (\$10,000).
- 1894 Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).
- 1898-01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, \$100,000).
 Joseph Morley Drake Chair of Physiology founded (\$25,000).
- 1901 Thomas G. Roddick appointed Dean.
- 1906 Alexandra Hospital for Infectious Diseases opened.
- 1907 Medical Building partly destroyed by fire.
- 1908 F. J. Shepherd appointed Dean.
- 1909-11 New Medical Building (as at present) erected. (Lord Strathcona, \$450,000).
- Robert Reford endowment of Department of Anatomy (\$100,-000).

 Arthur A. Browne Memorial Fund for Research established (\$10,000).

 Dr. James Douglas research fellowship in Pathology founded (\$25,000).
- 1912 Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, \$14,000).

 James Cooper Endowment Fund established for Internal Medicine (\$60,000).

1913 Graduates of the Faculty of Medicine subscribed \$12,566 to meet fire loss.

1914 H. S. Birkett appointed Dean.
No. 3 (McGill) General Hospital organized for Overseas service.
New Foundling Hospital opened.

1916 Ross Memorial Pavilion opened by H.R.H. Duke of Connaught (J. K. L. Ross).

1917 Geo. Ross Endowment Fund for Medical Faculty presented.

1919 Sir William Macdonald bequeathed \$500,000 to Medical Faculty.

Faculty of Dentistry established.

1920 Sir Arthur Currie appointed Principal.
Dr. J. W. Scane appointed Assistant Dean.
Sir William Osler's Medical Library bequeathed to McGill University.

1921 Centenary Celebration.

Friends and Graduates of McGill donated \$4,000,000 to University.

Province of Quebec donated \$1,000,000 to University.

Rockefeller Foundation granted \$1,000,000 to Medical Faculty.

F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.

Geo. E. Armstrong appointed Dean.

New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected. C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave \$500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.

Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion. Roddick Memorial Gates opened.

1926 Closing of old Montreal Maternity Hospital.

Sub-department of Industrial Medicine formed with Industrial Clinic at the Montreal General Hospital. (Grant of \$25,000 from Metropolitan Life Insurance Company.)

Inter-Hospital Commission formed for purposes of administration.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with title of Secretary.

A. F. Holmes, 1854.

GEO. W. Campbell, 1860.
R. P. Howard, 1882.
Robert Craik, 1889.
George Ross (Vice-Dean), 1889.
Thomas G. Roddick, 1901.
Francis J. Shepherd, 1908.
Herbert S. Birkett, 1914.
F. G. Finley, 1921.
George E. Armstrong, 1922.
C. F. Martin, 1923.
(J. W. Scane, Assistant Dean, 1920-1922).

REGISTRARS

John Stephenson, 1829.
Archibald Hall, 1842.
William Wright, 1864.
Robert Craik, 1869.
William Osler, 1877.
F. J. Shepherd, 1883 (Acting).
James Stewart, 1884.
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
J. W. Scane, 1903.

Registrarship abolished—1923

SECRETARIES

J. C. SIMPSON, 1923.

MEDICINE

Chair of Medicine (Founded 1824)

WILLIAM CALDWELL, 1824.
WILLIAM ROBERTSON, 1833.
ANDREW F. HOLMES, 1842.
R. P. HOWARD, 1860.
GEORGE ROSS, 1889.
JAMES STEWART, 1893.

Chair of Clinical Medicine (Founded 1845)

James Crawford, 1845 and 1852.
ROBT. L. MACDONNELL, 1849.
STEPHEN C. SEWELL, 1850.
R. P. HOWARD, 1856.
DUNCAN C. MACCALLUM, 1860.
JOSEPH M. DRAKE, 1872.
GEORGE ROSS, 1872.
RICHARD L. MACDONNELL, 1889.
JAMES STEWART, 1891.

Chair of Medicine and Clinical Medicine

(Founded 1907)

(Chair of Medicine since 1923)

F. G. Finley, 1907-1924.H. A. Lafleur, 1907-1919.

C. F. Martin, 1907.

J. C. Meakins, Professor and Director, 1924.

C. P. Howard, 1924.W. F. Hamilton, 1924.

SURGERY

Chair of Surgery (Founded 1824)

John Stephenson, 1824. G. W. Campbell, 1835. Geo. E. Fenwick, 1875. T. G. Roddick, 1890. Chair of Clinical Surgery
(Founded 1840)

James Crawford, 1845. William E. Scott, 1852. Duncan C. MacCallum, 1856. Robert Craik, 1860. George E. Fenwick, 1867. Thomas G. Roddick, 1876. James Bell, 1894.

Chair of Surgery and Clinical Surgery (Founded 1907)

(Chair of Surgery since 1923)

JAMES BELL, 1907-1911.
GEO. E. ARMSTRONG, 1907-1923.
J. A. HUTCHISON, 1913-1923.
E. W. ARCHIBALD, Professor and Director, 1923.
A. T. BAZIN, 1923.

OBSTETRICS AND GYNÆCOLOGY

Chair of Obstetrics
(Founded 1824)

WILIAM ROBERTSON, 1824.

JOHN RACEY, 1833.

GEO. W. CAMPBELL, 1835.

MICHAEL MCCULLOCH, 1842.

ARCHIBALD HALL, 1854.

D. C. MACCALLUM, 1868.

ARTHUR A. BROWNE, 1883.

J. CHALMERS CAMERON, 1886.

Chair of Gynæcology (Founded 1883) WILLIAM GARDNER, 1883.

W. W. CHIPMAN, 1910.

Chair of Obstetrics and Gynæcology

(Founded 1913)

W. W. CHIPMAN, 1913

ANATOMY

(Chair founded 1824)

JOHN STEPHENSON, 1824. OLIVER T. BRUNEAU, 1842. WILLIAM E. SCOTT, 1856. FRANCIS J. SHEPHERD, 1883. A. C. GEDDES, 1913. S. E. WHITNALL, 1919.

CHEMISTRY

Chair of Chemistry (Founded 1824)

Andrew F. Holmes, 1824. Archibald Hall, 1842. William Sutherland, 1849. Robert Craik, 1867. Gilbert P. Girdwood, 1879. R. F. Ruttan, 1902.

Chair of Practical Chemistry

(Founded 1872)

GILBERT P. GIRDWOOD, 1872.

R. F. RUTTAN, 1894.

Chair of Bio-Chemistry.

A. B. MACALLUM, 1920.

INSTITUTES OF MEDICINE

Chair of Institutes of Medicine

(founded 1824 and included the Departments of Physiology, Histology and Pathology)

> John Stephenson, 1824. Stephen C. Sewell, 1842. Robert L. MacDonnell, 1845. William Fraser, 1849. Joseph M. Drake, 1868. William Osler, 1874.

PHYSIOLOGY

(Founded 1824—endowed 1897)
Wesley Mills, 1886.
N. H. Alcock, 1911.
G. R. Mines, 1914.
John Tait, 1919.

PATHOLOGY

(Founded 1892—endowed 1893)J. Geo. Adami, 1892.H. Oertel, 1919.

PHARMACOLOGY

Chair of Pharmacology and Therapeutics
(Founded 1824)

Andrew F. Holmes, 1824. Archibald Hall, 1835. Stephen C. Sewell, 1842. A. Hall, 1849. William Wright, 1854. James Stewart, 1883. A. D. Blackader, 1891.

Chair of Pharmacology

H. G. BARBOUR, 1921. R. L. STEHLE, 1924.

BOTANY

(Chair founded 1829)
Andrew F. Holmes, 1829.
Dr. Papineau, 1845.
J. W. Dawson, 1855-56 and 1858-83.
James Barnston, 1857-58.
D. P. Penhallow, 1883.
F. E. Lloyd, 1912.

MEDICAL JURISPRUDENCE

(Chair founded 1845)
WILLIAM FRASER, 1845.
FRANCIS BADGLEY, 1849.
FRANCIS C. T. ARNOLDI, 1850.
WILLIAM E. SCOTT, 1851.
WILLIAM WRIGHT, 1852.
R. PALMER HOWARD, 1854.
DUNCAN C. MACCALLUM, 1860.
GEORGE E. FENWICK, 1867.
WILLIAM GARDNER, 1875.
GEORGE WILKINS, 1883.
D. D. MACTAGGART, 1911.

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871—endowed 1893)
GEORGE ROSS, 1871.
THOMAS G. RODDICK, 1873.
ROBERT T. GOFFREY, 1875.
WILLIAM GARDNER, 1879.
R. L. MACDONNELL, 1886.
ROBERT CRAIK, 1889.
WYATT JOHNSON, 1902.
T. A. STARKEY, 1902.
A. G. FLEMING, Acting-Director—Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology (Founded 1883)

FRANK BULLER, 1883.

Chair of Laryngology (Founded 1893)

G. W. Major, 1893.H. S. Birkett, 1895.

Chair of Oto-Laryngology

H. S. BIRKETT, 1906.

Chair of Ophthalmology

J. W. STIRLING, 1906. W. G. BYERS, 1923.

CHAIR OF ZOOLOGY

E. W. MacBride, 1902. ARTHUR WILLEY, 1910.

CHAIR OF HISTORY OF MEDICINE

ANDREW MACPHAIL, 1907.

FACULTY OF MEDICINE

The ninety-sixth session of the Faculty will open on September 19th, 1927.

ENTRANCE REQUIREMENTS

A candidate for admission to the First Year in the Faculty of Medicine must present satisfactory evidence that he has completed at least two full years in a College or Faculty of Arts of a recognized University.

The two years of college work must include:-

Physics—One year of general college Physics with laboratory work.

Biology—One year of general Biology or Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not Botany alone.

Chemistry—Two years:-

- (a) One full year of General Chemistry with laboratory work.
- (b) One full course in Organic Chemistry with laboratory work.

(The course in Organic Chemistry may be covered in one half-year if desired.)

It is to be understood that the course outlined above is the *minimum* requirement for admission to the First Year of the Faculty of Medicine. Since, however, the primary purpose of the pre-professional training is a sound general education, preference will be given to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization.

Courses specially designed to meet these requirements are offered in the Faculty of Arts of this University, where a student may:—

- (a) Register in a double course, taking three years of work in the Faculty of Arts, and receiving a B.A. or B.Sc. degree upon the completion of the first year of medical study. This course is strongly recommended.
- (b) Take the minimum two years' course as outlined above.

Students who are qualified by Senior Matriculation, or otherwise, may enter the second year of the Arts' Course, and thus shorten their pre-professional training.

APPLICATION FOR ADMISSION

Applications for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty of Medicine.

As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

If the applicant be accepted he will be expected to pledge himself to enter the Faculty of Medicine in September; otherwise his place will be given to another eligible candidate.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1927-28 on September 12th to September 20th, 1927. Those who register after September 21st will be required to pay a fee of \$5.00 if they do so during the first week of the session and \$10.00 if during the second. This fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination to be conducted by, or under the direction of, the Director of the Department of Physical Education, or by a recognized representative. Students of

the Second Year, as well as those of all Years who wish to engage in athletic activities, are also required to be physically examined. The hours for this examination will be announced at registration.

By such examination, physical defects and weaknesses may be discovered. If such defects and weaknesses are amenable to treatment by corrective gymnastics, special exercise will be prescribed and instruction provided. The student will be advised as to what forms of exercise will be likely to prove beneficial or harmful.

Students who do not present themselves for the medical examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Re-examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination, failing which they shall at once be vaccinated in a manner satisfactory to the medical examiner.

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulation regarding medical examination.

Suspension from lectures for any cause, or absence from more than one-eighth of the total number of lectures given in any course, as shown by the monthly reports furnished to the Dean of each Faculty by the several professors and lecturers, shall be considered as sufficient ground to disqualify a student from engaging in athletic contests.

During the session and including the Christmas holidays, all teams and individual students desiring to participate in "outside"* athletics must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletic Manager, by whom all such sanctions are granted.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participation in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent

^{*} Outside athletics is interpreted to mean the athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

Provision is made by the Department for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven only, when requisitioned for by the Department. A leaflet concerning this service and the general work of the Department, together with the regulations governing athletics, will be distributed at the opening of the session.

FEES

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 26th and 27th. They may be paid by cheque, which should be mailed so as to reach the Bursar by the date named.

Fees will also be accepted before September 19th.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

After September 27th or February 1st (in the case of those who pay by instalments) an additional fee of \$2.00 will be exacted of all students in default.

- 2. Immediately after October 10th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Dean of the Faculty a list of the registered students who have not paid their fees, on receipt of which he shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.
- 3. Students registering after September 27th shall pay their fees at the time of registration, failing which they become liable for the additional fee of \$2.00 exacted of students in default.
- 4. The total Faculty fees for the medical course of five full sessions, including clinics, laboratory work, dissecting materials and reagents, will be one thousand two hundred and fifty dollars, payable in five annual instalments of \$250.00 each. This, however, does not apply in the case of students who entered before 1926.

At the request of the students themselves and by the authority of Corporation, an additional fee of \$17.00 will be exacted from all men undergraduates, for the support of the Literary Society, the Undergraduates' Society, the Canadian Club, the Union, the McGill Daily, and athletics.

Women students are required to pay, in addition to the tuition fees, \$3.00 for athletics and athletic grounds, \$2.50 for the Women Students' Society and \$1.50 for the McGill Daily.

The sum of \$10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made and a refund is granted at the close of the session.

- 5. Partial students will be admitted to one or more courses on payment of special fees.
- 6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc.
- 7. Students taking out extra dissecting material will be charged at the rate of \$10.00 for a half session, and \$20.00 for a whole session.
- 8. An ad eundem fee of \$10.00 is charged students entering from another university in any Year above the First.
- 9. When the degree of Doctor of Medicine and Master of Surgery is conferred in absentia, a fee of twenty dollars will be charged, unless the candidate has been specially exempted by the Faculty.
- 10. The fee for the graduate course in Public Health, including laboratory fee, the fee for outdoor work and the diploma fee, is \$100.00.

SUMMARY OF FEES

Sessional fee		\$250.00*
By instalments:		
First instalment, if paid before September 27th.	\$127.00†	
Second instalment, if paid before February 5th.	127.00†	
Microscope, first instalment (on deferred payment		
plan)	32.00	32.00
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc	17.00	17.00
	of Tourseller	
	\$313.00	\$309.00

MICROSCOPES

Each student is required to provide himself, on beginning his studies, with a first-class microscope for laboratory and private study throughout his course. The Faculty will supply the instruments necessary for demonstrations, etc. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

^{*}For students who entered the Faculty prior to the session 1926-27 this fee will be \$205.00.

[†] For students who entered prior to 1926-27, \$105.00.

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Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of \$105.00 or on the deferred payment plan, by which payment is spread over five years as follows:—First Year, \$32.00; second year, \$25.00; third year, \$22.00; fourth year, \$20.00; fifth year, \$16.00.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 348 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

Information about boarding and lodging houses may be had on application to the Secretary at Strathcona Hall. A list of suitable houses is prepared about a fortnight before the opening of the session each year. Owing to frequency of change, this list is not mailed.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of from \$60 and upwards per month; or, separately, board at \$45 to \$55 per month, rooms from \$15 to \$20 per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served à lu carte.

2. APPROXIMATE ESTIMATE OF COST OF COURSE

Tuition Fees		Moderate \$250.00*
Fee for Athletics, Union, etc Board and Lodging	460.00	17.00 560.00
Books, Instruments, etc	150.00	170.00
	\$877.00	\$997.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of \$10.00 which is made by each student at the commencement of the session. Students are advised also to reckon on at least \$20.00 to \$25.00 per annum for subscriptions of various kinds.

^{*}For students who entered the Faculty prior to 1926-27, this fee will be \$205.00.

EXAMINATIONS AND PROMOTION

A. Examinations

- 1. Class Examinations, oral or written, are held during the session to test the progress of the student. If the standing obtained by any student in these examinations is unsatisfactory, he shall not be permitted to take the final examination.
- 2. Final or University Examinations are the ultimate test in determining a student's fitness for promotion or graduation. They are held at the end of the Winter and Spring Terms and during the fortnight preceding the opening of the Autumn Term in September.

The Final or University Examinations include the following subjects arranged in three divisions:—

First:			
1.	Anatomy	3	terms
2.	Histology	2	. "
	Bacteriology	1	term
	Physiology	3	terms
	Biochemistry	2	"
Second:—			
6.	Pharmacology	1	term
7.	Pathology and Medical Juris-		
	prudence	5	terms
Third:			
	Dati- Hatt and December		
0.	Public Health and Preventive	2	
	Medicine		terms
	Obstetrics and Gynæcology	4	
10.	Surgery (including Urology and		
	Orthopædic Surgery)	6	"
11.	Medicine (including Pediatrics,		
	Neurology, Psychiatry, Der-		
	matology and Laboratory		
	Diagnosis)	7	"

In order to qualify for these examinations, a candidate must have attended a course or courses of study extending over at least the number of terms specified in each case.

3. Re-examination:—A student who has failed in the Final Examination in any subject may apply for re-examination at the next examination period. Applications must be in the hands of the Secretary

at least one week before the date set for the beginning of the examinations, and the applicant must at the same time pay to the Bursar a fee of \$5.00 for each subject.

B. GRADING

At the conclusion of each course students will be graded in five groups, as follows:—

A = Honours

B = Good

C = Fair

D = Doubtful

E = Failure.

In reporting the grading, the names of those students who attain honour standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final and Class Examinations, but the instruction will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

C. PROMOTION

As noted in section A, the Final or University Examinations are arranged in three divisions. Whilst a certain latitude is permitted as to the time at which these examinations are passed, the following rules will be rigidly enjoined:—

- 1. First Division.—A student must pass the examinations in all subjects of the First Division before he will be permitted to begin the work of the seventh term.
- 2. Second Division.—The examinations in Pharmacology and General Pathology must be passed before a student will be permitted to proceed to the work of the tenth term. The examinations in Special Pathology and Medical Jurisprudence must be passed before the student may proceed to the work of the thirteenth term.
- 3. Third Division.—A candidate may pass the Final Examinations in Public Health separately from the examinations in the other subjects of the Third Division, but not earlier than the end of the twelfth term.

To qualify for the Final Examinations in Medicine, Surgery and Obstetrics, a candidate must have:—

- (a) Attended courses extending over a period of not less than fifteen terms.
- (b) Satisfactorily completed the prescribed courses of study and practice in:
 - i. Ophthalmology,
 - ii. Oto-laryngology,
 - iii. Abnormal Psychology and Psychiatry,
 - iv. Infectious Diseases,
 - v. Anæsthesia,
 - vi. Post-mortem Examinations,

and such other courses as the Faculty may from time to time determine.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

- 4. The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.
- 5. At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C, and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or retired from the Faculty.

MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

MEDALS

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., LL.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Bio-chemistry, together with a creditable examination in the primary branches.

The Lieutenant Governor's Silver Medal, to be awarded to the student who obtains the highest marks in General Medicine at the end of the Fifth Year.

The Lieutenant Governor's Bronze Medal, to be awarded to the student who obtains the highest standing in the Final Examination in Physiology.

PRIZES

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Biochemistry and Bacteriology).

The F. Slater Jackson Prize. An annual prize of \$50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

The Alexander D. Stewart Prize. An annual prize in books, founded by W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

FELLOWSHIPS

The A. A. Browne Memorial Fellowship.—The sum of \$10,000 has been received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of \$25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in pathology, given by the late Dr. James Douglas, open to McGill graduates only, tenable for six years and of the value of \$1,250 for the first year, increasing to \$2,500.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of \$60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately \$600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a

permanent fellowship in 1920 by Mr. Fuller and the Canadian Fair-banks-Morse Company. The fellowship has not been awarded this session.

The John W. Flinn Research Fellowship.—In 1921 Dr. John W. Flinn, of Prescott, Arizona, gave the sum of \$5,000, to be paid in five equal annual instalments of \$1,000, this sum to be used for the assistance of medical research in tuberculosis.

The Hiram N. Vineberg Fellowship in Gynæcology, of the value of \$250.00 per annum, donated in 1924 by Dr. Hiram N. Vineberg, of New York, a graduate of McGill University, 1878.

The J. W. McConnell Scholarship.—The sum of \$1,000.00 was donated to the Department of Surgery for purposes of research for the year 1925-26. This was renewed in 1926 and again in 1927.

The P. P. Cowans Scholarship of \$1,000.00 was presented to the Department of Surgery and Physiology for purposes of investigation in these subjects during the year 1925-26. It was renewed for 1926-7 and will be again available in 1927-8.

The "Hosmer" Scholarship of \$1,000.00 was presented by Dr. D. W. MacKenzie for the year 1926-27 for purposes of advanced study in the Department of Urology.

The Walter J. Hoare Memorial Scholarship.—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

Four scholarships for Canadian students have been donated, one each by Mrs. R. MacDougall Paterson, Mrs. Charles Meredith, Mrs. C. F. Martin and Louis Colwell, Esq. These scholarships are valued at \$400.00 each per annum, and extend over the five years of the course. The conditions pertaining to these scholarships may be had on application to the Dean or Secretary of the Faculty of Medicine.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
- 3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the five years of the Medical course.
- 5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
- 6. He must also have attended during one full session the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

the Medical Council of Canada

In order to take the examination

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained. In order that disappointment and loss of time may be avoided upon graduation it is, therefore, strongly advised that students should register with the licensing body of their home province or state before beginning their medical course. In any case they must be registered not later than the end of the First Term.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC.—Dr. J. Gauvreau, 364 St. Catherine Street E., Montreal.

Ontario.—Dr. H. Wilberforce Aikens, 170 University Ave., Toronto, Ont.

New Brunswick.—Dr. S. H. McDonald, 56 Colborne Street, St. John, N.B.

Nova Scotia.—Dr. W. H. Hattie, Halifax, N.S.

Prince Edward Island.—Dr. James Warburton, Kent Street, Charlottetown, P.E.I.

Manitoba.—Dr. J. E. Coulter, 604 Boyd Bldg., Winnipeg, Man.

Alberta.—Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN.-Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUMBIA.—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. R. W. Powell, 180 Cooper Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION
OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in the final subjects.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W. 1, England.

UNDERGRADUATE COURSES

1. THE MEDICAL COURSE

Each session is divided into three terms of ten weeks, and the medical course will be completed in fifteen terms—or, if the student so desire, he may proceed more slowly prior to taking the examinations for his degree.

The curriculum is so arranged as to permit of a student taking additional or advanced work in certain terms, while in the hospital year much more latitude will be afforded for independent study.

The tenth, eleventh and twelfth terms are arranged on a rotary system.

For information as to courses and examinations required, see p. 39.

2. DOUBLE COURSES IN ARTS AND MEDICINE B.A., M.D.

The degrees of B.A. and M.D. may be obtained in eight years.

The first three years are taken in the Faculty of Arts, Physics being taken in the First Year, Chemistry 1 in the Second Year and premedical Biology and Chemistry in the Third. This is followed by the regular five-year course in the Faculty of Medicine, the B.A. Degree being granted on completion of the first medical year.

B.Sc., M.D.

The degrees of B.Sc. and M.D. may be obtained in eight years. Students who wish to proceed to advanced work in Physiology, Biological Chemistry, Pharmacology or allied subjects can qualify by taking the first four years of this course.

3. COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

The requirements for this degree are as follows:-

- 1. Honour standing in the examination in any two of the following subjects:—Anatomy (including Histology and Embryology), Physiology, Biochemistry, Pharmacology and Pathology.
- 2. In addition to the regular undergraduate courses in Medicine, 240 hours of specialized study in a third one of these subjects, under the guidance of the department concerned and approved by the B.Sc. (Med.) Committee. In the examinations in the special subject honour standing will be exacted.

Candidates are strongly recommended to acquire a reading know-ledge of both German and French, and their attainments, as shown by their record in the class lists in the undergraduate course, must be distinctly above those of the average student.

TIME TABLES OF LECTURES AND LABORATORY WORK

1st Term (Autumn)

FIRST YEAR

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-1	9–10 Histol.	9-1	9–10 Histol.	9-1	9–10 Organoger
Anatomy	10-1	Anatomy	10-1	Anatomy	10-1
	Anatomy		Anatomy		Anatomy
2-4 Histol. Lab.	2-4 Histol. Lab.		2-4 Histol. Lab.	2-4 Histol. Lab.	

2nd Term (Winter)

TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10 Histol.	9-1	9–10 Histol.	9-1	9-10 Organogen
10-1 Anatomy	Anatomy	10-1 Anatomy	Anatomy	10-1 Anatomy
2-4 Histol.		2-4 Histol.	2-4 Histol.	
	Histol. 10-1 Anatomy	9-10 Histol. 9-1 Anatomy Anatomy Anatomy 2-4 Histol.	9-10 Histol. 10-1 Anatomy 2-4 Histol. 2-4 Histol. 2-4 Histol.	9-10 Histol. 9-1 9-10 Histol. 9-1 Anatomy 10-1 Anatomy Anatomy 2-4 Histol. Histol. Histol.

3rd Term (Spring)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10 Physiol.	9-10 Physiol.	9-1	9–10 Physiol.	9–10 Physiol.	9–10 Organogen
10-1 Anatomy	10-1 Anatomy	Anatomy	10-1 Anatomy	10-1 Anatomy	10-1 Anatomy
		A STATE OF THE PARTY OF THE PAR			
2-5 Bacteriol.		2-5 Bacteriol.	2–3 Public Health	2–5 Bacteriol.	

SECOND YEAR

		1 . 3/	
4th	ferm	(Aut	umn)

MONDAY 9-10 Physiol.	TUESDAY 9-12 Physiol.	WEDNESDAY 9-1 Biochem.	THURSDAY 9-1 Physiol.	9-10 Physiol.	SATURDAY 9-10 Biochem.
10-1 Biochem.	12-1 History of Med.	A SECTION AND ADDRESS OF THE PARTY OF THE PA		10–12 Biochem. 12–1 History of Med.	entrales.
2–5 Biochem.		2-5 Physiol.	2-3 Psychology	2–5 Biochem.	

5th Term (Winter)

9-10 Physiol. 10-1 Biochem.	TUESDAY 9-1 Physiol.	9–1 Biochem.	9-1 Physiol.	9-10 Physiol. 10-1 Biochem.	9–10 Biochem.
2–5 Biochem.	-4999	2-5 Physiol.	2-3 Psychology	2–5 Biochem.	

6th Term (Spring)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10 Pharmacol. Lect.	9–10 Pharmacol. Lect.	9–10 Pharmacol. Lect.	9–10 Pharmacol. Lect.	9–10 Pharmacol. Lect.	9–10 Pharmacol Lect.
10-1 Pharmacol. Lab. ½ Class A	10-1 Pharmacol. Lab. ½ Class B	10-1 Pharmacol. Lab. ½ Class A	10-11 Psychology 11.15-12.30 Medicine	10-1 Pharmacol. Lab. ½ Class B	yanaana
2-3 Medicine		2-3 Medicine		mis a up	ding the
3-5 Pathology	to the	sleistal 23 a		3–5 Pathology	

THIRD YEAR

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10 Therapeut. Lect.	9-10 Medicine Lect.	9–10 Surgery Lect.	9-10 Therapeut. Lect.	9–10 Medicine Lect.	9-10 Organogen. Optional
10.15-11.15 Surgery	10.15–11.15 Medicine Th. Clinic	10-11 Psychol. Lect.	10.15-11.15 Surgery	10.15–11.15 Medicine Th. Clinic	10.15-11.15 Medicine Review Optional
11.15–12.30 A. Medicine B. Surgery	11.15–12.30 A. Surgery B. Medicine	Medicine M	11.15–12.30 A. Medicine B. Surgery	11.15–12.30 A. Surgery B. Medicine	onished a
CONCLUSION IN					
2-4 Clinical Micros. 4-5 Pathol. Lect.	2–5 Pathol. Lab.	BON DO	2-5 Pathol. Lab.	2-4 Clinical Micros. 4-5 Pathol. Lect.	STATE OF THE PARTY

8th Term (Winter)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10 Therapeut. Lect.	9–10 Medicine Lect.	9–10 Surgery Lect.	9–10 Therapeut. Lect.	9–10 Medicine Lect.	9-10 Organogen Optional
10.15-12.30 Div. A. Medicine Div. B. Surgery		10–12 Therap. Pract. 12–1 Psychology Lect.	10.15–12.30 Div. A. Medicine Div. B. Surgery		10.30–12 Fracture Clinic Optional
2–4 Clinical Micros.	2–5 Pathol. Lab.		2–5 Pathol. Lab.	2–4 Clinical Micros.	
4–5 Pathol. Lect.			ndeog sa se il	4-5 Pathol. Lect.	000

9th Term (Spring)

Monday	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10 Obstetrics Lect.	9–10 Obstetrics Lect.	9–10 Psychol. Lect.	9–10 Obstetrics Lect.	9–10 Obstetrics Lect.	9–10 Organoger Optional
10.15-12.30 Div. A. Surgery Div. B. Medicine			10.15-12.30 Div. A. Surgery Div. B. Medicine		10.30–12 Fracture Clinic Optional
Totorial	_		Alle of the		38-325
2–3 Public Health	Pathology Lect.		2–5 Public Health Practical	2-3 Public Health	
3-4 Pathology Lab.			Fractical	3–4 Pathology Lab.	
Div. A.		4–5 Pathology Lect.		Div. B.	

FOURTH YEAR

10th, 11th and 12th Terms (Rotating)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–1.30 Medicine and Surgery M.G.H.		9-10 Medical Th. Clin. 10-11 Surgical Th. Clin.	9–1.30 Medicine and Surgery M.G.H.		10.30–12 Clinico- Pathological Conference R.V.H.
3-4 Pediatrics and Inf. Dis.	3-4 Medicine Lect.	3–4 Surgery Lect.		3-4 Medicine Lect.	Journal de Williams Total

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–1.30 Medicine and Surgery M.G.H.		9-10 Medical Th. Clin. 10-11 Surgical Th. Clin.	9-1.30 Medicine and Surgery M.G.H.		10.30-12 Clinico- Pathological Conference R.V.H.
3–4 Pediatrics and Inf. Dis.	3-4 Medicine Lect.	3-4 Surgery Lect.		3–4 Medicine Lect.	2-4 Chaicat Microp.

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10 Obstetrics Clin. Lect.	9–10 Obstetrics Clin. Lect.	9–10 Medical Th. Clin.	9–10 Obstetrics Clin. Lect.	9–10 Obstetrics Clin. Lect.	9–10.30 Gynecology Th. Clin.
10-11 Obstetrics Groups	10-11 Obstetrics Groups	10-11 Surgical Th. Clin.	10-11 Obstetrics Groups	10-11 Obstetrics Groups	10.30–12 Clinico- Patholog. Conference R.V.H.
3-4 Pediatrics	3–4 Medicine	Obst. & Gyn. Th. Clin.		3-4 Medicine	1-5
and Inf. Dis.	Public Regists 3-3 Pathology				

COURSES OF INSTRUCTION ANATOMY

LECTURER:-H. E. MACDERMOT.

Demonstrators:—

H. M. Elder; G. A. Fleet; D. S. Forster;
G. D. Little; B. F. MacNaughton;
R. Bruce Malcolm; T. M. Richardson;
A. Ross; W. W. Ruddick;
A. Stewart; F. J. Tees.

The required courses in Anatomy, Histology and Embryology are given in the first three terms of the Medical Course. In subsequent terms opportunity is afforded for a complete revision in Anatomy, together with optional courses of advanced work, both gross and microscopic.

REQUIRED COURSES

1. Lecture Course in Gross Anatomy.

Reference books:—Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology."

Recommended for Collateral Reading:—Keith's "Menders of the Maimed"; Hilton's "Rest and Pain."

2. Laboratory Course in Gross Anatomy.

Fifteen hours weekly during the Autumn and Winter Terms, and fourteen hours weekly during the Spring Term.

Professor Whitnall and Staff.

Practical Manual:-Walmsley.

3. Tutorials: Devoted mainly to the study of Osteology and Surface Anatomy.

One hour weekly throughout the session..........Dr. MacDermot. Text-books:—Gray's "Anatomy"; Thompson's "Surface Anatomy." 4. Discussions: Informal class discussions upon problems and difficulties.

One hour a week throughout the session.

5. Revision Course: An optional laboratory course covering the whole body.

Three hours weekly throughout the session for students who have completed the required work......Professor Whitnall and Staff.

6. Elective Work: Advanced or special work by arrangement. Six hours weekly during the Spring Term.

Professor Whitnall and Staff.

- 7. Ophthalmological Anatomy: Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology.

 By arrangement. Details on application......Professor Whitnall.
- 8. Oto-laryngological Anatomy: A similar course.

 By arrangement. Details on application......Professor Whitnall.
- 9. Physical Anthropology: A didactic and laboratory course. By arrangement.

HISTOLOGY AND EMBRYOLOGY

Associate Professor:—J. C. Simpson.

Lecturers in Histology:—

W. M. Fisk.
C. T. Crowdy.

Demonstrators:—

G. C. Anderson.

Ivan Patrick.

REQUIRED COURSES

- Histology and Embryology—Lecture Course.
 Three hours weekly during the Autumn and Winter Terms.
 Professor Simpson and Dr. Fisk.
 Text-books:—Jordan, Bailey.
- Histology and Embryology—Laboratory Work.Seven hours weekly during the Autumn and Winter Terms.

3. Organogenesis: The development of the organs and systems of the human body.

One hour a week throughout the Session......Professor Simpson. Reference books:--Jordan; Arey; Keith.

OPTIONS

4. Special Histology and Embryology.

Laboratory course open to students who have completed Courses 1 and 2.

Three hours weekly (Saturday mornings) throughout the Session.

5. Optional Work: Advanced work, including microscopical technique.

Six hours a week during the Spring Term. By arrangement.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR AND DIRECTOR OF EXPERIMENTAL MEDICINE:—JOHN TAIT.

ASSISTANT PROFESSOR:-N. GIBLIN.

$$\begin{array}{ll} \text{Demonstrators:--} \left\{ \begin{array}{l} \text{S. Dworkin.} \\ \text{W. H. Finney.} \end{array} \right. \end{array}$$

In this department special provision is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate purposes Physiology has been linked up with Experimental Medicine, and the department, working in intimate association with the hospital wards, forms the headquarters for research in clinical problems along instrumental or "experimental" lines. At the same time the available graduate instruction is not confined to the immediate medical applications of Physiology, provision being made for dealing with the science in some of its wider biological implications.

REQUIRED COURSES

- Introductory Course—Lectures and Demonstrations. Six hours a week during the Spring Term.
- 2. Systematic Physiology—Lectures and Demonstrations.

 Three hours a week. Autumn and Winter Terms.

 Text-books:—Howell, Macleod, Starling, Stewart.

3. General Laboratory.

Six hours a week. Autumn Term.

Text-book:—Sharpey-Schafer, "Experimental Physiology."

4. Mammalian Laboratory.

Six hours a week. Winter Term.

Text-book:—Sherrington, "Mammalian Physiology."

OPTIONS—FOR GRADUATE STUDENTS

- 6. Advanced Laboratory.
- 7. Physiological Clinics.
- 8. Lecture Course on Structure and Function.

Professor Tait.

- 9. Physiological Colloquium.
- 10. Tutorial Class.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR:-A. B. MACALLUM.

ASSISTANT PROFESSOR: -S. W. BLISS.

Lecturers on Pathological Chemistry: - $\left\{ \begin{array}{l} E.~H.~Mason. \\ I.~M.~Rabinowitch. \end{array} \right.$

DEMONSTRATOR:—S. A. BEATTY.

1. Biochemistry-Lecture Course.

During the first half of the course the lectures will deal with the chemical constitution, the physical and other characters and the relationships of the products of the activities of living matter, carbohydrates, fats, proteins, urea, ureides, purins, etc., and in the second half will involve an extensive discussion of (a) the origin, character and the active properties of the various ferments of the digestive tract; (b) the chemical and physical processes involved in, and the products resulting from, the digestion, absorption and assimilation of the foodstuffs in the human body; (c) the intermediate and ultimate products of metabolism, and (d) the chemistry of the tissues and of blood, bile and urine.

Five hours a week during the Autumn and Winter Terms.

2. Biochemistry—Laboratory Course.

The exercises will deal with the practical side of the subjects treated in the lecture course, such as the digestion of starch, fats, and proteins, the absorption and assimilation of fats, the metabolism of the carbohydrates absorbed, and of the products of protein digestion. Especial attention will be given to the methods of the qualitative and quantitative determination of the more important metabolites, such as urea, uric acid, creatine, creatinine, etc.

Twelve hours per week during the Autumn and Winter Terms.

Towards the close of Courses 1 and 2 in the second term, special attention will be given to Pathological Chemistry, which will involve a course of about twenty lectures and about fifty hours of practical work on metabolism in disease.

In addition to the written and practical examination exacted of each student in this course, oral examinations will be held and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Biochemistry for the year.

Text-books:—Cole, "Practical Physiological Chemistry"; Halliburton, "Essentials of Chemical Physiology"; Plimmer, "Practical Organic and Biochemistry"; Folin, "Laboratory Manual of Biological Chemistry"; Lusk, "Science of Nutrition."

Reference books:-Robertson, "Principles of Biochemistry"; von Fürth, "Chemistry of Metabolism"; Baylis, "Principles of General Physiology."

PATHOLOGY AND BACTERIOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL. ASSOCIATE PROFESSOR: -L. J. RHEA.

ASSISTANT PROFESSOR OF BACTERIOLOGY:—A. A. BRUÈRE.

Assistant Professor of Pathology:-T. R. Waugh.

LECTURER AND DOUGLAS FELLOW IN PATHOLOGY: -W. H. CHASE. LECTURER IN BACTERIOLOGY: -W. W. BEATTIE.

DEMONSTRATOR IN NEUROPATHOLOGY: -A. YOUNG.

J. A. BYRNE, G. W. CHISHOLM, ERIC A. MACNAUGHTON, ASSISTANT DEMONSTRATORS :-D. D. McKinnon, W. Moffatt,

MAX RYAN.

CURATOR OF MUSEUMS:—E. L. JUDAH.

PATHOLOGY

REQUIRED COURSES

1. Introductory Course—The General foundations and relations of morbid life; including a consideration of the individual and ancestral factors, the direct effects of physical and chemical agents on the animal body; and a general exposition of parasitism. Two lectures a week-Spring Term Professor Oertel.

2.	General Pathology and Pathological Morphology. Comprising the philosophical and historic evolution of the conceptions of disease, pathogenesis and the structural changes incident to it. Two lectures a week—Autumn and Winter Terms. Professor Oertel.
3.	Laboratory Course in General Pathological Anatomy and Histology. Six hours weekly—Autumn and Winter Terms. Pathological InstituteProfessor Oertel and Demonstrators.
4.	Special Pathology of the Circulatory, Respiratory, Digestive and Renal Systems. One lecture a week—Spring, Autumn and Winter Terms. Professor Oertel.
5.	Laboratory Course in Special Pathological Anatomy and Histology. One hour a week—Spring, Autumn and Winter Terms. Pathological InstituteProfessor Waugh and Demonstrators.
6.	Diseases of the Blood-forming Organs. One lecture a week—Autumn Term
7.	Pathological Anatomy of the More Important Ductless Glands. One lecture a week—Winter Term
8.	Pathological Anatomy of the Nervous System. One lecture a week—Spring Term
9.	Practical Pathology—Demonstrations and discussions of anatomical and bacteriological material in relation to clinical cases. Autumn, Winter and Spring Terms. Montreal General Hospital
10.	Practical Course of Pathologico-Anatomical Methods and Diagnosis. Once a week—Autumn, Winter and Spring Terms. Pathological Institute
11.	Performance of Autopsies—group instruction. Autumn, Winter and Spring Terms. Pathological Institute
12.	Gross and Microscopic Demonstrations and Discussions of Specimens Removed at Surgical Operations. Once a week—Autumn, Winter and Spring Terms. Pathological Institute

13. Clinico-Pathological Conferences.

On cases from the medical service of the Royal Victoria Hospital. Once a week—Autumn, Winter and Spring Terms.

Pathological Institute......Medical and Pathological Staffs.

OPTIONS

- 17. Pathological Research: (Open to graduates.)
 By appointment.

Pathological Institute and Montreal General Hospital.

Professors Oertel, Rhea and Waugh.

Reference books:—Oertel, "Introduction to Pathology"; Virchow,
"Cellular Pathology"; Cohnheim, "Lectures on Pathology"; Ziegler,
"Specielle Pathologie"; Delafield and Prudden, "Text-book of Pathology"; Wells, "Chemical Pathology."

BACTERIOLOGY

REQUIRED COURSE

 Laboratory course in Bacteriology, with explanatory lectures and demonstrations.
 Autumn Term.

OPTIONS

- 3. Bacteriological and Immunological Research.

 Open to Graduates. By appointment.

 Pathological Institute...........Professor Bruère and Dr. Beattie.

 Reference books:—His and Zinsser; Muir and Ritchie; Jordan;

 McFarland; Mallory and Wright.

GRADUATE COURSES FOR HIGHER DEGREES

These courses in Pathology and Bacteriology are open to graduates for higher degrees and students of other Faculties. For special course for graduates for higher degrees, see Announcement of the Faculty of Graduate Studies.

MEDICAL JURISPRUDENCE

PROFESSOR: -D. D. MACTAGGART.

In this course the criminal and civil aspects of legal medicine are taken up and fully discussed, also lunacy and its medico-legal aspects. Special attention is devoted to the subject of blood stains, the chemical, microscopic and spectroscopic tests for which are fully described and demonstrated, also the serum test for the detection of human blood. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearance and chemical tests. The post-mortem appearances are fully illustrated by specimens. Injuries are fully discussed, with reference to their significance, under the Workmen's Compensation Act and Accident Insurance.

Autumn Term.

Text-books: - Glaister, Buchanan, Smith.

Reference books:-Peterson and Haines, Taylor.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

ACTING DIRECTOR:—A. GRANT FLEMING.
STRATHCONA PROFESSOR OF HYGIENE:—T. A. STARKEY.

 $Assistant \ Professors : - \begin{cases} R. \ St. \ J. \ MacDonald. \\ F. \ B. \ Jones. \end{cases}$

Assistant Professor of Mental Hygiene:—W. T. B. Mitchell. Lecturer in Industrial Hygiene:—F. G. Pedley.

The instruction in Hygiene given to the medical undergraduates has been carefully designed to meet the requirements of the practitioner in medicine. It relates chiefly to the investigation of the causes of disease, the channels of transmission and the adoption of modern preventive measures—all problems which are likely to confront the medical man daily in the prosecution of his duties.

In order that the importance and usefulness of Public Health and Preventive Medicine may be understood, an introductory course of an elementary character will be given in the First Year. The course proper is divided between the Third and Fourth Years.

The preventive aspect of Medicine is dealt with by all departments in the same manner as they consider diagnosis and treatment. The Department of Hygiene aims to correlate this teaching and to cover phases of the subject, such as public health administration, industrial hygiene, school health services, etc., that are not included elsewhere in the curriculum.

Industrial Hygiene deals with the study of occupational diseases; insanitary conditions in factories, workshops and other industrial establishments, and any other environment connected with the work which may be likely to undermine the health of the work-people; work and fatigue; general measures designed to preserve the health of the workmen, and to keep them fit and efficient, both inside and outside the works.

School health service forms another part of this course—bringing out the chief points connected with the scope of work and nature of duties of the School Medical Officer, a post so frequently undertaken nowadays by the general practitioner. The subject of periodic health examinations is dealt with, so that the need, value and procedure may be properly appreciated.

Visits of inspection are made by the class to various places and establishments, chosen to illustrate the general principles of water and sewage works; places dealing with food supplies, especially meats and milk; and welfare centres.

A brief course in applied public health bacteriology is given, covering the method of taking specimens, the examination and interpretation of results of water, milk, sputum, nose and throat swabs.

A sanitary survey of the student's home town or some other acceptable to the Department is required before the beginning of the Fifth Year. This survey requires some individual field service by each student and permits of his application of the teaching he has received.

An optional practical course, more advanced than the one above referred to, is open to students wishing to go into greater detail.

The Laboratory is provided with all apparatus needed in every branch of public health work. Advanced students are furnished with separate quarters, and with every facility for the prosecution of research work.

Text-books:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Rosenau; Park; Fitzgerald.

PHARMACOLOGY

PROFESSOR: -R. L. STEHLE.

Assistant Professor of Therapeutics:-D. S. Lewis.

LECTURER IN PHARMACOLOGY:-N. B. DREYER.

LECTURER IN ANÆSTHESIA:-WESLEY BOURNE.

LECTURER IN THERAPEUTICS: -D. GRANT CAMPBELL.

Lecturers in Physio-Therapy:- F. J. Harvey.
Norman Brown.

DEMONSTRATOR IN PHARMACOLOGY: -W. M. SCRIVER.

A. A. Browne Research Fellow:—K. I. Melville.

REQUIRED COURSES

Second Year

1. Pharmacology.—The action of drugs is considered in as exact a fashion as possible from information derived by means of experimental methods and careful clinical observation. A serious attempt is made to familiarize the student with the chemistry of the drugs studied in so far as it is known.

Three lectures a week during the Spring Term, supplemented by one conference and one demonstration a week.

Professor Stehle and Dr. Dreyer.

2. Pharmacological Laboratory.—The experiments are chosen to illustrate the lectures of the preceding course.

Two periods (six hours) a week during the Spring Term. Professor Stehle, Dr. Dreyer and Staff.

Third Year

3. Therapeutics.—The principles of therapeutics and the application of drugs in Internal Medicine, Surgery, Gynacology and the specialties are covered.

Two lectures a week during the Spring Term and one per week during the Autumn Term.

Professor Lewis and Drs. Bourne and Campbell.

4. Pharmacy and Prescription Writing.

Five lectures and five laboratory periods during the Winter Term. Professor Lewis and Assistants.

5. Physio-therapy.

Five lectures and ten hours of group instruction during the Winter Term Drs. Brown and Harvey.

OPTIONS

Suitably prepared persons may undertake research at any time. Advanced course leading to the degrees of B.Sc. (Med.), M.Sc., or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

Text-books in Pharmacology: - Cushny, Sollmann, Poulsson, Meyer and Gottlieb.

MEDICINE

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:-JONATHAN C. MEAKINS.

 $\begin{aligned} \text{Professors:--} & \left\{ \begin{matrix} \text{Campbell Palmer Howard.} \\ \text{W. F. Hamilton.} \\ \text{C. F. Martin.} \end{matrix} \right. \end{aligned}$

ASSOCIATE PROFESSOR:—A. H. GORDON.

· Assistant Professor and Assistant Director of the

UNIVERSITY MEDICAL CLINIC: -E. H. MASON.

Assistant Professor of Medical Research: -- Maude E. Abbott.

ASSISTANT PROFESSOR OF MEDICAL RESEARCH (BIO-PHYSICS):-

T. R. PARSONS.

Assistant Professors:—

{ C. A. Peters.}

I. M. Rabinowitch.

Lecturers:—

{ J. G. Browne, J. Kaufmann, D. S. Lewis.}

C. F. Moffatt. C. F. Wylde.

LECTURER (TUBERCULOSIS) :- J. R. BYERS.

LECTURER IN MEDICAL RESEARCH (BIOCHEMISTRY): -C. N. H. LONG.

C. C. BIRCHARD, C. R. BOURNE,

D. G. CAMPBELL, KEITH GORDON,

R. H. M. HARDISTY, A. T. HENDERSON,

C. R. JOYCE, D. C. MACCALLUM,

A. H. MACCORDICK, H. E. MACDERMOT,

J. F. MacIver, D. W. McKechnie,

J. L. D. MASON, D. L. MENDEL,

LORNE MONTGOMERY, E. V. MURPHY,

E. E. ROBBINS, COLIN SUTHERLAND, J. J. WALKER, J. C. WICKHAM, E. S. MILLS. Assistant Demonstrators:—

{ W. W. Alexander, H. F. Eberts, W. C. Gowdey, H. N. Segall.

Assistant Demonstrator (Tuberculosis):—J. Lande

Research Fellows:—

{ J. Essie Boyd Scriver, W. De M. Scriver, C. J. Tidmarsh, G. R. Brow.

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and bio-chemistry with clinical medicine is emphasized—not only in the pre-clinical years but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals as well as by affiliation with other institutions.

Students must have followed up at least ten cases from their inception to a conclusion and be certified therefor.

REQUIRED COURSES

Sixth to Ninth Terms (2nd and 3rd years).

1. A course of lectures on the general principles of medicine, emphasizing and correlating the study of Anatomy, Physiology and Biochemistry in the signs and symptoms of disease.

Three hours a week—Spring, Autumn and Winter Terms.

Professors Meakins, Rabinowitch and Mason.

2. A course of clinical lectures twice weekly is given to demonstrate the application of the principles, as set forth in the course of lectures mentioned above.

Professors Meakins, Rabinowitch and Mason.

3. A course of practical instruction on physical examination and physical diagnosis. This course is given in the Wards and Out-patient Department of the Royal Victoria Hospital.

Professor Meakins and Assistants.

- 4. During the eighth and ninth terms, a limited number of cases are allotted to each student in the wards for introductory instruction in case-reporting and general examination of patients. This is supplemented by bedside clinics.
- 5. A course in clinical microscopy of forty periods is given in the laboratories of the Pathological Institute.

Four hours a week-Autumn and Winter Terms.

Dr. Kaufmann and Assistants.

Text and Reference books:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease"; Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; Krehl, "Basis of Clinical Symptoms."

Tenth, Eleventh and Twelfth Terms (4th Year).

6. A course of lecture-quiz exercises throughout the session on the "Principles and Practice of Medicine," by Osler and McCrae, with collateral reading assigned on various topics.

Professor C. P. Howard.

7. A course of theatre clinics at the Montreal General Hospital at which cases of unusual interest are presented.

Professor Gordon and Staff.

8. A course of bedside clinics to small groups at the Montreal General Hospital.

Professor Gordon and Assistants.

- 9. A course at the Out-patient Departments of Medicine and Pediatrics of the Montreal General Hospital, in small groups, where the student will act as a clinical clerk, taking routine histories, making a complete physical examination and performing some of the simpler laboratory tests. At the end of each period the interesting cases will be presented to the entire group by the physician in charge.
- 10. A course of clinical-pathological conferences for the entire class will be held once a week at the Pathological Laboratory of the Montreal General Hospital.

Professors Rhea, Howard, Gordon and Assistants.

11. Cases in the Medical Wards of the Montreal General Hospital are assigned to each member of the class for reporting. It is obligatory that each student shall present satisfactory case reports on at least ten patients during this course.

Text and Reference books:—Osler's "Practice of Medicine"; Taylor's "Practice of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Dieulafoy, "The Text-book of Medicine"; Strumpell, "Text-book of Medicine for Students and Practitioners"; McKenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Twelfth-Fifteenth Terms (5th Year).

Hospital year. Each student becomes virtually a member of the externe staff.

He is allotted in turn to various services of the hospital in the capacity of clinical clerk, participating in the keeping of records, the diagnosis and treatment of patients in wards and out-patient departments and in the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Regular theatre clinics are given only in the major subjects.

With the present limitation of students it becomes possible to give the student a closer familiarity than hitherto with practical scientific medicine and its allied subjects of neurology, psychiatry and pediatrics.

PEDIATRICS

CLINICAL PROFESSOR:-H. B. CUSHING.

Lecturers: -
A. B. Chandler.
A. Goldbloom.
L. Lindsay.
S. Graham Ross.
R. R. Struthers.
H. P. Wright.

Demonstrators: -
W. E. Enright.
R. C. Stewart.
W. E. Williams.

Instruction is given in all the clinical years. Emphasis is laid on the relation of Pediatrics to public health and community problems in medicine.

Seventh to Ninth Terms (3rd Year).

1. A series of clinical demonstrations to groups of students on the methods of physical examination of infants and children at the Royal Victoria Hospital, extending over a period of two weeks.

Professor Cushing and Assistants.

2. A series of demonstrations to groups of students on the manifestations of disease in children.

Winter and Spring Terms.

Royal Victoria Hospital..... Professor Cushing and Assistants.

3. During the Autumn and Winter terms of this year a limited number of cases are allotted to each student in the Pediatric Ward for introductory instruction in case-reporting and general examination of patients.

Tenth to Twelfth Terms (4th Year).

4. A course of lectures dealing with the peculiarities and development of children, the principles and theory of infant-feeding, the diseases peculiar to children and the differences in the manifestation and treatment of ordinary diseases of adults and children.

Thirty lectures.

Medical Building......Professor Cushing and Assistants.

5. A series of clinics throughout the year, illustrating the lectures and demonstrating the ordinary diseases of childhood.

Children's Memorial Hospital.....Doctors Lindsay and Goldbloom.

6. A series of demonstrations to groups, in Out-patient Department and Children's Wards, on the examination, diagnosis and treatment of sick children.

Montreal General Hospital...........Dr. Chandler and Assistants.

7. A series of demonstrations to groups of students each week on the ordinary acute infectious diseases.

Alexandra Hospital.

Professor Cushing, Doctors D. Grant Campbell and E. V. Murphy.

Thirteenth to Fifteenth Terms (5th Year).

- 8. Students act as assistants to the internes, report cases, attend ward rounds and Out-patient pediatric clinics in the various hospitals, supervised by the attending staffs of the hospitals.
- 9. A series of practical clinics to groups of students on infant feeding and the care and development of young infants.

Montreal Foundling Hospital.

Doctors Lindsay, Goldbloom and H. P. Wright.

10. A series of theatre clinics on the principal diseases of infancy and childhood.

11. A series of clinics to groups on the acute infectious diseases. Alexandra Hospital......Doctors Cushing, Campbell and Murphy.

12. A series of demonstrations to groups on prematurity, diseases of the newborn and the care and feeding of the newborn,

Montreal Maternity Hospital.

Doctors S. Graham Ross and R. R. Struthers.

13. A series of demonstrations in the various health centres and post-natal clinics on the care and feeding of normal children and the various phases of undevelopment—by the attending staff of these clinics.

Text-books:-Holt and Howland; Dennett; Feer; Still; Porter and

Carter; Morse and Talbot; Alan Brown.

NEUROLOGY

CLINICAL PROFESSOR:—C. K. RUSSEL..

LECTURER:—F. H. MACKAY.

DEMONSTRATOR:—N. VINER.

A course on Applied Anatomy of the Nervous System is given in the earlier years of study, and students of the First and Second Years are introduced, wherever possible, to neurological patients who illustrate the anatomy and physiology of the nervous system.

1. In the Third Year a series of demonstrations is given on clinical methods of examining the nervous system, and some of the commoner disesses are studied.

Professor Russel and Assistants.

2. Clinical lectures and demonstrations on neurology are given in the Fourth and Fifth Years of the course in the wards and medical theatre of the Montreal General and the Royal Victoria Hospitals.

Professor Russel, Dr. Mackay and Assistants.

A series of demonstrations on Neuro-pathology is given in the laboratory.

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS.

LECTURERS:—

C. M. HINCKS (Mental Hygiene).

DAVID SLIGHT (Psychiatry).

A. G. MORPHY.
H. A. SIMS.
A. W. YOUNG.

Instruction will be given in the Fourth and Fifth Years.

REQUIRED COURSES

Tenth and Twelfth Terms.

1. A course of didactic lectures, with clinical demonstrations of the commoner psychopathic conditions.

Thirteenth and Fourteenth Terms (5th Year).

2. Clinical instruction in groups is given at the Psychiatric Clinic at the Royal Victoria Hospital, which furnishes examples of the various psychoses, the border line cases, and enables the student to become familiar with forms of mental defect, delinquency and allied conditions. The Clinic deals, moreover, with patients sent for investigation from the charitable agencies of the city and co-operates with the work of the Canadian National Committee for Mental Hygiene.

Dr. Mitchell and Assistants.

3. Practical instruction.

Protestant Hospital for the Insane.

Professor Porteous and Dr. Mitchell.

In all group instruction the student is taught methods of testing psychopathic cases, and of making detailed diagnoses, while the general and occupational therapy, etc., of such cases is dealt with in detail in the hospital services.

Text-books:—"Outlines of Psychiatry," White; "Clinical Psychiatry," Kraeplin; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt; "Diseases of the Nervous System," Jeliffe and White (1923 Ed.).

PSYCHOLOGY

Associate Professor:—J. W. Bridges.

An introductory course in Normal Psychology is given during the fourth, fifth and sixth terms, while in the succeeding three terms a course of lectures is given on Abnormal Psychology. Discussion will include the psychological principles underlying psychotherapy, relation of abnormal to normal mental life, mental hygiene, mental deficiency, intelligence tests and some reference to the psychology of insanity.

DERMATOLOGY

CLINICAL PROFESSOR:—G. G. CAMPBELL.

LECTURERS:—

P. BURNETT.

J. F. BURGESS.

DEMONSTRATOR: -C. R. BOURNE.

The course is entirely clinical, consisting of a weekly theatre clinic at the Montreal General Hospital on specially selected cases, and outdoor clinics, weekly, by Drs. G. G. Campbell, at the Montreal General Hospital, and Philip Burnett at the Royal Victoria Hospital, throughout the session. Lantern slides are used to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Dermatology, Hartzell, McLeod, Darier, Campbell, Shamberg, Sutton.

HISTORY OF MEDICINE

PROFESSOR:—SIR ANDREW MACPHAIL.

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—
E. W. ARCHIRALD.
PROFESSOR:—A. T. BAZIN.

Associate Professor:—E. M. Eberts.

Assistant Professors:—W. L. Barlow, C. B. Keenan. Lecturers:—F. B. Gurd, C. K. P. Henry, F. E. McKenty,

F. A. C Scrimger, F. J. Tees.

LECTURER IN ANÆSTHESIA:-W. B. HOWELL.

DEMONSTRATORS:—JOHN ARMOUR, GUY JOHNSON, L. H. McKim, R. B. Malcolm, A. Stewart.

Demonstrators in Anæsthesia:—{ J. W. Armstrong. C. C. C. Stewart.

Assistant Demonstrators:—E. B. Chandler, Howard Dawson, H. M. Elder, R. R. Fitzgerald, G. A. Fleet, B. F. MacNaughton, Albert Ross, Dudley Ross. To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head, who has been given control of the teaching in the wards and out-patient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and itself a large railroad and industrial centre, is noted for the large amount and varied character of its clinical material. Indeed, the teaching in surgery is largely clinical and practical. In the Montreal General and Royal Victoria Hospitals there are between five and six hundred beds and also large out-patient departments.

REQUIRED COURSES

Seventh to Ninth Terms (3rd Year).

- 1. Didactic Lectures upon the General Principles of Surgery.
 Fifteen lectures upon the general principles of surgery are given during the Autumn and Winter Terms. Medical Building.
- 2. Clinical Instruction. In the Third Year, all the clinical instruction, except Saturday forenoon, is given in the Royal Victoria Hospital.
- a. Out-patient Department. During this year students are instructed largely in the Out-patient Department. They are brought into immediate contact with the patient, and taught how to get a correct history, how to differentiate the abnormal from the normal, how to apply their knowledge of anatomy, how to make an examination, to dress wounds, arrange and apply splints, and to reduce the simpler fractures and dislocations. This is valuable training, as the conditions met in an out-patient department are similar to those that form a considerable part of a practitioner's work.
- b. Ward Work. Eighteen beds in the wards are allotted and individual case reporting is done. Royal Victoria Hospital.
- c. Surgical Pathology. During the first few weeks of the session there will be given a short practical course in Surgical Pathology of an introductory character, which will take up the fundamentals of inflammation, wound repair, and tumours. This will be very largely a laboratory course, and is designed to give the student at the outset of his clinical education a view of the pathological basis of the commoner diseases and injuries such as he will see first in his subsequent hospital service.

4. Fractures. A special course of lecture demonstrations on fractures, taking up the general principles and illustrating these by cases, will be given.

Montreal General Hospital.

Tenth to Twelfth Terms (4th Year).

The clinical instruction in this year is given entirely in the Montreal General Hospital, except for Saturday forenoons. Students attend surgical clinics in the amphitheatre of the hospital three days in the week. They also attend in the wards of the hospital in groups. Cases are assigned to them and they are required to examine them carefully, record the conditions found, arrive at a tentative diagnosis, and outline the treatment indicated.

5. Surgical Amphitheatre Clinics.

Montreal General Hospital twice a week throughout the session. Royal Victoria Hospital once a week throughout the session.

In the Surgical Outdoor, there are also given Demonstration Clinics.

- 6. Ward Work. A teacher of mature experience and of professorial rank teaches students in the wards and instructs them in groups.

 Montreal General Hospital.
- 7. Lectures. During this year a series of thirty didactic lectures will be given upon the main types of disease and injury.

Thirteenth to Fifteenth Terms (5th Year).

(The Fifth is a purely hospital year.)

8. Theatre Clinics.

One amphitheatre clinic in the Royal Victoria Hospital and Montreal General Hospital once a week throughout the session.

9. Clinical Instruction.

Group teaching is carried out in the wards of the Royal Victoria Hospital, Montreal General Hospital and Children's Memorial Hospital.

The student is made responsible for the case reports of the patients allotted to him, which he is to write, with the help and under the control of the house surgeons, as well as of the chiefs of service. He must do his own laboratory work under the direc-

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tion of a supervisor; he is to be present at the operations on his own cases, wash up, and assist; he has to write the progress notes after operation, copy the pathological reports, and attend eventual autopsies, the principle being that he is to follow his case closely from beginning to end.

Students in this Year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and of the region implicated.

10. Anæsthesia.

Didactic lectures and laboratory demonstrations on anæsthesia are given in the College by the Department of Pharmacology and Therapeutics to the Third Year, and practical instruction in the administration of anæsthetics is given in the hospital to students of the Fourth and Fifth Years.

Text-books:

- 1. General Surgery: Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery."
- 2. Emergency Surgery: Sluss, John W., "Manual of Emergency Surgery."
 - 3. Surgical Anatomy: Treves' "Surgical Applied Anatomy."
- 4. Fractures: Scudder, Charles L., "Treatment of Fractures"; Wilson & Cochrane, "Fractures and Dislocations."
- 5. Case Reporting: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Ryerson, "Process of Diagnosis."

UROLOGY

CLINICAL PROFESSORS:-{ D. W. MACKENZIE. F. S. PATCH.

LECTURER:—R. E. POWELL.

DEMONSTRATOR:-M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals for instruction in the methods of diagnosis and treatment of surgical diseases of the urinary and male genital organs and syphilis. During the Fourth Year they are given a course of fifteen lectures on the elements of the subject in the University.

During the Final Year they receive clinical instruction on groups of cases presented for differential diagnosis, and students are required to discuss these cases and outline the treatment indicated.

Clinical clerkships are assigned in the urological wards, where cases are followed to a conclusion. Opportunity is here afforded for the complete study of a considerable number of cases.

Text-books:-Keyes' Urology.

Collateral Reading: Thompson Walker's Genito-Urinary Surgery.

ORTHOPÆDIC SURGERY

CLINICAL PROFESSORS: — A. MACKENZIE FORBES. W. G. TURNER.

Lecturer:—J. A. Nutter.

DEMONSTRATOR: -W. J. PATTERSON.

Assistant Demonstrator:-N. T. Williamson.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General Hospitals.

Each student attends clinics in Orthopædic Surgery at one of these hospital for ten consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnoses for, and to prescribe the treatment for, a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics for both adults and children suffering from orthopædic affections.

In the Children's Memorial Hospital there is a great wealth of clinical material consisting of children who are suffering from the surgical diseases of infancy and childhood.

Text-books:—Whitman's Orthopedic Surgery; Fraser on Tuberculosis of Bones and Joints of Children; Tubby and Jones on Surgery of Paralysis; Jones, Orthopedic Surgery of Injuries; Jones and Lovett, Orthopedic Surgery.

OBSTETRICS AND GYNAECOLOGY

PROFESSOR:—W. W. CHIPMAN.
ASSISTANT PROFESSOR:—H. M. LITTLE.

Lecturers: -
W. A. G. Bauld.
H. C. Burgess.
J. W. Duncan.
J. R. Fraser.
J. R. Goodall.
David Patrick.

(A. D. Campbell.

Demonstrators:—

A. D. Campbell.

Douglas Gurd.

G. C. Melhado.

Ivan Patrick.

Eleanor Percival.

Ninth Term (3rd Year).

1. A course of forty lectures on the fundamental principles of the subject, illustrated by diagrams, models and fresh and preserved specimens.

Four times a week—Spring Term.....Professor Chipman.

OBSTETRICS

Tenth to Twelfth Terms (4th Year).

2. Clinical instruction will be given during the year in the Royal Victoria Montreal Maternity Pavilion, and will include ante-natal care in the Out-patient Department and the conduct of labour and the puerperium in the case-room and wards of the Hospital.

Twelve hours a week during one term.

Fifth Year.

3. Rooms are provided in the New Pavilion, where the students may reside, in groups of six, for a period of twelve to fourteen days. During his period of "interneship" the student will be expected to attend his out-door cases, and, under supervision, to deliver these women in their own homes.

Text-books:—Whitridge Williams; Webster; Evans; De Lee; Berry Hart.

GYNÆCOLOGY

4. Theatre Clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals.

Professor Chipman and Staff.

5. Practical instruction to small groups of students in the outpatient departments of the Royal Victoria and Montreal General Hospitals.

Text-books:—Hart and Barbour; Blair Bell; Dudley Hurst; Gilliam; Anspach.

OPHTHALMOLOGY

PROFESSOR:—W. GORDON M. BYERS.

CLINICAL PROFESSOR:—G. H. MATHEWSON.

LECTURERS:—

S. H. MCKEE.
F. T. TOOKE.

DEMONSTRATORS:—

A. G. MCAULEY.
J. A. MACMILLAN.

A. BRAMLEY-MOORE.
S. O. MCMURTRY.
STUART RAMSEY.
J. ROSENBAUM.

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

Ninth Term (3rd Year).

1. Routine examination of the eye.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are a main feature of this preliminary teaching.

Five hours-Spring Term.

Professor Byers, with Drs. Tooke and McKee and members of the Staff.

Tenth Term (4th Year).

2. Lecture demonstrations.

This course, variously illustrated, covers the place of Ophthalmology in Medicine, the relation of the eye to other organs, and the general principles of the subject.

Ten hours—Autumn Term......Professor Byers.

Thirteenth to Fifteenth Terms (5th Year).

3. Clinical Ophthalmology.

This work is conducted in the ophthalmic clinics and wards of the Royal Victoria and Montreal General Hospitals. The entire available time is devoted to an intensive study of the ocular disorders that are of greatest moment in general practice, with practical lessons on ophthalmic nursing and first aid.

Forty hours—Four hours a week for ten weeks for each student.

Professors Byers and Mathewson, and Staff.

Text-books:—Parsons, Swanzy, May, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

PROFESSOR:—H. S. BIRKETT.

LECTURER:—H. D. HAMILTON.

Demonstrators:— $\begin{cases}
D. H. Ballon. \\
J. T. Rogers. \\
Hamilton White. \\
G. E. Hodge. \\
K. O. Hutchison. \\
A. E. Lundon. \\
W. J. McNally. \\
J. E. Tremble.
\end{cases}$

The course of instruction in Oto-Laryngology is carried on in the wards and out-patient departments of both the Montreal General and the Royal Victoria Hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving practical instruction in these subjects. In these two hospitals there are about fifty beds set apart for this specialty.

The courses are designed to afford the student the opportunity of acquiring the oto-laryngological knowledge required by every general practitioner. The practical work is conducted in small groups, so that the personal instruction and supervision, so essential in this subject, are given to each student.

Tenth to Twelfth Terms (4th Year).

1. Introductory Course.

Group instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in most dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of

the accessory sinuses of the nose and mastoid process; (b) The method of using the various instruments for examining the ear, nose and throat; (c) The usual tests for hearing; (d) The recognition of normal conditions of these special organs, as exemplified by clinical material.

Autumn Term......Professor Birkett, Dr. Hamilton and Staff.

2. Lecture Course.

Thirteenth to Fifteenth Terms (5th Year).

3. Clinical Oto-Laryngology.

A course of clinical instruction in the out-patient departments and wards of the hospitals.

Autumn, Winter or Spring Terms.

Professor Birkett, Dr. Hamilton and Staff.

Text-books:—Chevalier Jackson and Coates; St. Clair Thomson;

A. Logan Turner; H. Tilley; Kerrison; Phillips.

The courses are designed to afford the student the opportunity of

GRADUATE INSTRUCTION

- 1. Any graduate who so desires may attend any of the regular courses given to students of the Final Year. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. Post-graduate Courses: Special short courses lasting for two to four weeks are offered by the teachers in most of the clinical departments. For information apply to the Dean of the Faculty of Medicine.

DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

4. Course for Diploma of Public Health: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

Candidates must have graduated in Medicine, or must have had other qualifications to practice at least twelve months before they are allowed to receive the diploma.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:-

- (a) A course of lectures dealing in a comprehensive manner with the general principles of hygiene, preventive medicine and sanitation.
- (b) Bacteriology—a full practical course in general bacteriology, with special application to public health.
- (c) (1) Sanitary Chemistry. Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, articles of dress, house decorations, etc.; chemical investigations connected with trades and occupations; (2) Physics. General principles only in their application to hygiene.
- (d) Practical Out-door Sanitary Work. An extended course under a M.O.H., affording facilities for instruction in sanitation relating to

housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc., etc.

- (e) Sanitary legislation and administration. Statutes and by-laws relating to public health and the powers of sanitary authorities; administration of the office of a Medical Officer of Health.
- (f) Vital statistics. Calculations and tabulations of returns of births, marriages and deaths and diseases.
- (g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of infectious diseases, of child hygiene and psychopathic diseases, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on sanitary conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course, including the diploma, is \$100.00.

5. Special Courses. Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Department. Courses will be arranged suitable for the applicants, in order that they may receive full benefit from the time devoted to the course.

BUILDINGS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and geographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.
Children's Memorial Hospital.
Foundling Hospital.
Alexandra Hospital for Infectious Diseases.
Protestant Hospital for the Insane.
Royal Edward Institute for Tuberculosis.

The Maternity Hospital, from the teaching standpoint, is under the control of the University.

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 38,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Musuem of Anatomy. The Faculty of Dentistry is also in this Building.

The new rooms for the reception of the Osler Library are now complete and await its arrival this autumn.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184' x 60'—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

HOSPITALS

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Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the latter it draws chiefly its material. It was constructed at a cost of \$460,000; is of Montreal lime stone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

The Medical School is closely affiliated with a group of active general and special hospitals, the staffs of which are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 438 public beds. During 1926 it cared for 11,892 cases, while in its outdoor department, 80,144 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic has just been established.

There were 260 post-mortems during 1926.

The number of resident physicians is 34.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. During the year 1926 the obstetrical service cared for 2,028 cases, with 1,873 confinements in the Hospital and 349 in the Out-patient Department, a total of 2,222.

There are 10 resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 284 public beds. In 1926 there were 6,524 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, treated last year 133,062 patients. Many modern additions to the original buildings have been made. During the last year, a large biochemical laboratory has been finished and completely equipped.

There were 204 post-mortems during the year.

The number of resident physicians is 34.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs, and a hospital dental clinic unequalled anywhere.

The Western Division of the Montreal General Hospital—The Western General Hospital. A hospital for the treatment of acute diseases, with 62 public beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. During the year 1926 there were 1,880 admissions to the wards and 30,475 patients were treated in the out-patient department.

There were 28 autopsies during the year.

The number of resident physicians is 7.

The Children's Memorial Hospital has 130 public beds, and, in 1926, admitted 1,210 patients. The attendance at its out-door department totalled 13,263 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of patients, and enables the student to get a broad conception of pediatrics. Of special interest are the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

There were 40 autopsies during the year.

The number of resident physicians is 6.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pediatrics.

The Montreal Foundling and Baby Hospital affords a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and, in 1926, 1,350 patients were admitted to the hospital. There were 30 autopsies.

The number of resident physicians is 4.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of Psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute—a dispensary for tuberculosis—offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian: -C. F. Wylde.

Assistant Librarian: - Miss Jean Cameron.

Assistants:-
Miss Pauline M. Carrière.

Miss C. Davidson, B.A.

Miss Edith Gordon.

Miss Norah James.

"The history of the Library is the history of the Faculty."

Professor Hall.

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating 75 readers. On this floor also are the journal room and private offices. The second floor contains the stack room, the book stacks at present containing about 38,000 volumes and having a total capacity of sixty thousand volumes.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible and thus to increase the value of the reference department of the Library. There is also a great duplicate collection of journals from which distribution can be made on the exchange basis.

There is no printed catalogue, but there has been compiled a comprehensive list of continuations with their inclusive volumes, and this list will be available for out-of-town borrowers.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9.00 a.m. to 6.00 p.m., except Saturday, when it closes at 5.00 p.m. After June 1st it is open from 9.00 a.m. to 5 p.m.; Saturdays, 9.00 a.m. to 1.00 p.m. During July and August it is closed on Saturday.

MEDICAL SOCIETIES

1. THE McGILL MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the under-

graduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

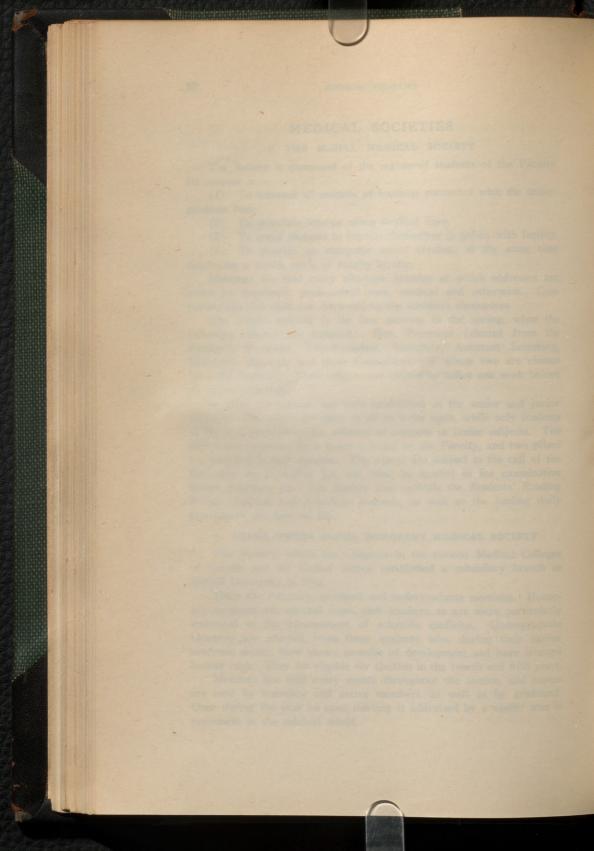
A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the fourth and fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.



McGILL UNIVERSITY

MONTREAL



ANNOUNCEMENT

OF THE

FACULTY & MEDICINE

FOR THE SESSION 1928-29

NINETY-SEVENTH SESSION

MONTREAL:

Printed for the University by the Gazette Printing Company, Limited

1928

The following official publications are issued by the University and may be had on application to the Registrar:—

Announcements of Faculties and Departments as follows:-

Faculty of Arts and Royal Victoria College.

Faculty of Applied Science.

Faculty of Law

Faculty of Dentistry.

Faculty of Medicine.

The Conservatorium of Music.

The School of Commerce.

Faculty of Graduate Studies and Research.

The School for Graduate Nurses.

The School for Social Workers.

The School of Physical Education.

The Department of Pharmacy.

Macdonald College Announcement.

The Calendar.

Matriculation Examination Papers (Price, 25 cents).

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Governing Body of the University

VISITOR

HIS EXCELLENCY RIGHT HONOURABLE VISCOUNT WILLINGTON, G.C.S.I., G.C.M.G., G.C.I.E., G.B.E., GOVERNOR-GENERAL OF THE DOMINION OF CANADA.

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- C. F. Martin, B.A., M.D., LL.D. (Queen's), Dean of the Faculty of Medicine.

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- G. S. H. BARTON, B.S.A., Dean of the Faculty of Agriculture.

, Dean of the Faculty of Dentistry.

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- Research. Dean of the Faculty of Graduate Studies and
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- R. M. Sugars, M.A., A.I.A., C.P.A., Director-Secretary of the School of Commerce.

To retire September 30th, 1929.

- REV. D. J. FRASER, M.A., LL.D., D.D., Representative Fellow, Presbyterian College, Montreal, Principal of the College.
- W. G. TURNER, B.A., M.D., Representative Fellow in Medicine.
- G. K. McDougall, B.Sc., Representative Fellow in Applied Science.
- Hon. Mr. Justice W. L. Bond, B.A., B.C.L., Representative Fellow in Law.
- Hon. Mr. Justice E. Edwin Howard, B.A., B.C.L., K.C., Elective Fellow, Faculty of Law.
- J. C. Meakins, M.D., Elective Fellow, Faculty of Medicine.
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- Rev. Dr. J. Patterson Smyth, Governors' Fellow.
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- F. H. Mewburn, M.D., LL.D., Representative Fellow, Western Provinces.
- CASEY A. Wood, M.A., LL.D., Representative Fellow, Countries outside of Canada.

To retire September 30th, 1930.

Frank Stewart Patch, B.A., M.D., Representative Fellow in Arts.

REV. E. LESLIE PIDGEON, B.A., D.D., Governors' Fellow.

CYRUS MACMILLAN, M.A., Ph.D., Elective Fellow, Faculty of Arts.

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MISS CLARA LICHTENSTEIN, Elective Fellow, Faculty of Music.

ARCHIE NATHANIEL JENKS, D.D.S., Representative Fellow in Dentistry.

ALFRED ERNEST WHITEHEAD, Mus. Doc., Representative Fellow in Music.

To retire September 30th, 1931.

, Representative Fellow in Arts.

CAMPBELL PALMER HOWARD, B.A., M.D., Elective Fellow, Faculty of Medicine.

C. E. FRYER, Ph.D., Elective Fellow, Faculty of Arts.

----, Representative Fellow in Medicine.

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----, Representative Fellow in Law.

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-, Representative Fellow in Agriculture.

D. A. Murray, Ph.D., Governors' Fellow.

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A. P. S. GLASSCO, B.Sc.:—Office, East Wing, McGill College.

(Office Hours:—9 to 5.)

REGISTRAR

J. A. Nicholson, M.A., LL.D.:—Office, East Wing, McGill College.

(Office Hours:—9 to 5.)

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GERHARD R. LOMER, M.A., Ph.D.

CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1928-29

1928

Monday, Sept. 10 Autumn Examinations begin.

Register opens for students in Medicine.

Wednesday, " 19 Autumn Term begins.

Saturday, Oct. 6 Founder's Day. Convocation for conferring
Degrees. Opening address for the session.
Register closes for the session.

Friday, " 12 Sports Day. No lectures.

Monday, Nov. 12 Thanksgiving Day. No lectures.

Tuesday " 27 Autumn Term ends.

Wednesday, " 28 Winter Term begins.

Thursday, Dec. 20 Last day of lectures before Christmas.

1929

Friday, Jan. 4 Lectures resumed.

Tuesday, Feb. 19 Winter Term ends.

Wednesday, " 13 Ash Wednesday. No lectures.

Thursday, "21 Examinations begin for 1st and 2nd Years.

Spring Term begins for 3rd, 4th and 5th Years.

Wednesday, " 27 Spring Term begins for 1st and 2nd Years.

Friday, Mar. 29 Good Friday. No lectures.

Saturday, " 30 No lectures.

Monday, Apr. 1 No lectures.

Wednesday, May 1 Spring Term ends for 3rd, 4th and 5th Years.

Wednesday, " 8 Spring Term ends for 1st and 2nd Years.

Wednesday, " 29 Convocation for Conferring Degrees.

OFFICERS OF INSTRUCTION

Medicine FACULTY OF ARTS

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Francis J. Shepherd, M.D., LL.D. (Edin., McGill, Queen's and Harv.), F.R.C.S. (Hon.) (Edin. and Eng.), F.A.C.S. (Hon.). Emeritus Dean of the Faculty of Medicine and Emeritus 1484 Mansfield St. Professor of Anatomy.

ALEX. D. BLACKADER, M.A., M.D., LL.D.

Emeritus Professor of Pharmacology and Therapeutics and The Acadia, 581 Sherbrooke St. W. Pediatrics.

HENRI A. LAFLEUR, B.A., M.D.

2011 Peel St. Emeritus Professor of Medicine.

GEORGE E. ARMSTRONG, C.M.G., M.D., LL.D. (Queen's), D.Sc. (Liverpool), M.Ch. (Dublin). 581 Sherbrooke St. West

Emeritus Professor of Surgery.

J. ALEX. HUTCHISON, C.B.E., M.D., L.R.C.P. & S. (Edin.). 581 Sherbrooke St. West Emeritus Professor of Surgery.

F. G. FINLEY, C.B., M.B. (Lond.), M.D., LL.D. Emeritus Professor of Medicine.

1551 Bishop St.

A. B. MACALLUM, M.A., M.B., Ph.D., Sc.D., LL.D., F.R.S. Emeritus Professor of Bio-Chemistry.

R. F. RUTTAN, B.A., M.D., D.Sc., F.R.C.S. Emeritus Professor of Chemistry.

660 Sherbrooke St.

London, Ont.

PROFESSORS AND ASSOCIATE PROFESSORS

(These, with the Principal and Vice-Principal, constitute the Faculty.)

C. F. MARTIN, B.A., M.D., C.M., LL.D. (Queen's). Dean of the Faculty and Professor of Medicine. Medical Building.

H. S. BIRKETT, C.B., M.D., LL.D. (McGill).

1190 Mountain St. Professor of Oto-Laryngology.

T. A. STARKEY, M.B. (Lond.), M.R.C.S., L.R.C.P., M.D., C.M., D.P.H., Fel. Roy. San. Inst.

3591 University St. Professor of Hygiene.

ARTHUR WILLEY, D.Sc., F.R.S.

Biological Building. Professor of Zoology.

W. W. CHIPMAN, B.A., M.D. (Edin.), LL.D. (Pittsburg and Acadia), F.R.C.S. (Edin.). 1221 Mountain St.

Professor of Obstetrics and Gynæcology. FRANCIS E. LLOYD, M.A., F.R.S.C.

3521 University St. Professor of Botany.

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J. KAUFMANN, M.D., C.M.			
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F. T. Tooke, B.A., M.D., C.M.			
Lecturer in Ophthalmology.	1482 Mountain Street		
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	101 Medical Arts Building		
C. F. Wylde, C.B., M.D., C.M.			
Lecturer in Medicine and Honorary Med			
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Lecturer in Medicine.	1455 Crescent Street		
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Lecturer in Anæsthesia.	746 Sherbrooke St. West		
A. Howard Pirie, M.D., B.Sc. Lecturer in Radiology.	Royal Victoria Hospital		
C. K. P. Henry, M.D., C.M.	Royal Victoria Hospital		
	605 Medical Arts Building		
F. W. HARVEY, B.A., M.D., C.M.	oos wedical filts building		
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R. E. POWELL, B.A., M.D., C.M., F.R.C.S.			
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F. McKenty, M.D., F.R.C.S.	1100 Grescent Hiteet		
Lecturer in Surgery.	2064 Union Avenue		
A. B. CHANDLER, B.A., M.D., C.M.	2007 Cilion 21vende		
Lecturer in Pediatrics.	1421 Bishop Street		
	Tial Distiop Street		

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Biological Building.

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Demonstrator in Pediatrics.	388 Roslyn Avenue	
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Demonstrator in Psychiatry.	770 Sherbrooke Street West	
J. A. MacMillan, M.D., C.M. Demonstrator in Ophthalmology.	1429 Stanley Street	
A. G. McAuley, M.D., C.M.	Ties Stamey Street	
Demonstrator in Ophthalmology.	621 Dorchester Street W	
A. H. MACCORDICK, M.D., C.M.		
Demonstrator in Medicine.	1454 Mountain Street	
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D. MacCallum, M.D., C.M.	Taroner Tive, Outremone	
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A. D. CAMPBELL, M.D., C.M.	740 Sherbrooke Street W	
Demonstrator in Obstetrics and Gynæ	cology Medical Arts Bldg	
R. B. MALCOLM, M.D., M.Sc.	tovogy. Incurcal Title Diag	
Demonstrator in Anatomy and in Surg	gery. 604 Medical Arts Bldg	
L. H. McKim, M.D., C.M.		
Demonstrator in Surgery.	Medical Arts Bldg	
G. A. Fleet, M.Sc., M.D., C.M.		
Demonstrator in Anatomy and Assista	ant Demonstrator	
in Surgery.	1500 Crescent Street	
A. Ross, M.C., B.A., M.D., C.M.		
Demonstrator in Anatomy and Assist		
	5027 Sherbrooke Street West	
M. I. SENG, M.D., C.M.	716 01 1 1 0	
Demonstrator in Urology.	746 Sherbrooke Street West	

1,	
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C. R. BOURNE, M.D., C.M.	433 Shelblooke Street West.
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J. J. Walker, B.A., M.D., C.M.	The state of the s
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G. C. MELHADO, M.D., C.M.	Dunding.
Demonstrator in Obstetrics and	Gynæcology
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D. L. MENDEL, M.D., C.M.	· · · · · · · · · · · · · · · · · · ·
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A. Stewart, M.D., C.M.	Tank Trychac.
	Surgery. 746 Sherbrooke St. W.
W. W. Ruddick, M.D., C.M.	omgorge to sherbrooke St. W.
Demonstrator in Anatomy.	1499 Crescent Street.
C. R. Joyce, M.D., C.M.	1499 Crescent Street.
Demonstrator in Medicine.	5242 Park Avenue.
J. C. Wickham, B.A., M.D., C.M.	3242 Park Avenue.
Demonstrator in Medicine.	4484 Sherbrooke St., Westmount.
KEITH GORDON, B.A., M.D., C.M.	4404 Sherbrooke St., Westmount.
Demonstrator in Medicine.	M-4:1 A D. 111
	Medical Arts Building.
LORNE C. MONTGOMERY, M.D., C.M.	Walland And Bridge
Demonstrator in Medicine.	Medical Arts Building.
J. F. MacIver, M.D., C.M.	211
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Pathological Institute.

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Biological Building.

Clara Law Fellow and Demonstrator in Obstetrics and Gynæcology.

Pathological Institute.

HISTORICAL SUMMARY

(Faculty of Medicine)

1821-1927

1744	James McGill, born October 6th (Founder's Day). Died 1813
1801–02	Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.
1811	Will by James McGill leaving landed estate and £10,000 to Royal Institution for Advancement of Learning for founding a University.
1818	Royal Institution for Advancement of Learning incorporated Montreal General Hospital opened on original site on St. Lawrence Street.
1821	Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill Col
1822–24	lege. Corner-stone of new Montreal General Hospital laid. Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecturate No. 20 St. James Street on October 28, 1824, there were
1829	four teachers and twenty-five students. Estate of James McGill surrendered by residuary legatee. Firs meeting of Governors at Burnside House. Montreal Medica Institution "engrafted upon" McGill University as its Medica Faculty. First session of Faculty of Medicine.
1831	Medical Faculty petitioned Legislature for permission to gran degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.
1832	Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
1833	First University degree conferred in Medical Faculty upon W. Logie.
1836-37	Faculty removed to building next to present Bank of Montreal
1840	Faculty removed to St. George Street.
1842	Arts Building erected on University grounds, where medica lectures were held 1845-51.
1852	Faculty removed to Côté Street.
1855	Sir William Dawson appointed Principal.
1860	Geo. W. Campbell appointed Dean, serving until 1882.
1872	First independent Medical Faculty building on University ground.
	Graduation of William Osler.

1882

Geo. W. Campbell Memorial Fund for Medical Faculty

(\$50,000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, \$50,000). R. P. Howard appointed Dean. New laboratories erected in Medical Building (Lord Strath-1885 cona, \$100,000). Robert Craik appointed Dean-George Ross, Vice-Dean. 1889 Sir William Peterson appointed Principal. 1893 Pathological Laboratory erected (John H. R. Molson, \$60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, \$100,000). Mrs. Mary Dow Endowment Fund presented to Medical Faculty (\$10,000). Royal Victoria Hospital opened (Lord Mount-Stephen and 1894 Lord Strathcona). Medical Faculty Building reconstructed and enlarged with new 1898-01 laboratories, etc. (Lord Strathcona, \$100,000.) Joseph Morley Drake Chair of Physiology founded (\$25,000). Thomas G. Roddick appointed Dean. 1901 Alexandra Hospital for Infectious Diseases opened. 1906 1907 Medical Building partly destroyed by fire. 1908 F. J. Shepherd appointed Dean. New Medical Building (as at present) erected. (Lord Strath-1909-11 cona, \$450,000.) 1911 Robert Reford endowment of Department of Anatomy (\$100,000).Arthur A. Browne Memorial Fund for Research established (\$10,000).Dr. James Douglas research fellowship in Pathology founded (\$25,000).Eddie Morrice Laboratory of Pharmacology opened (D. 1912 Morrice, \$14,000). James Cooper Endowment Fund established for Internal Medicine (\$60,000). Graduates of the Faculty of Medicine subscribed \$12,566 to 1913 meet fire loss. 1914 H. S. Birkett appointed Dean. No. 3 (McGill) General Hospital organized for Overseas service. New Foundling Hospital opened. Ross Memorial Pavilion opened by H.R.H. Duke of Con-1916 naught (J. K. L. Ross). Geo. Ross Endowment Fund for Medical Faculty presented. 1917

Sir William Macdonald bequeathed \$500,000 to Medical 1919 Faculty. Faculty of Dentistry established. Sir Arthur Currie appointed Principal. 1920 Dr. J. W. Scane appointed Assistant Dean. Sir William Osler's Medical Library bequeathed to McGill University. 1921 Centenary Celebration. Friends and Graduates of McGill donated \$4,000,000 to University. Province of Ouebec donated \$1,000,000 to University. Rockefeller Foundation granted \$1,000,000 to Medical Faculty. F. G. Finley appointed Dean. 1922 Laboratories for Biological Sciences opened. Geo. E. Armstrong appointed Dean. New Outpatient Department erected at Royal Victoria Hospital. Pathological Institute erected. 1923 C. F. Martin appointed Dean. Rockefeller Foundation gave \$500,000 to Medical Faculty to 1924 establish University Clinic in Department of Medicine at Royal Victoria Hospital. Amalgamation of Western Hospital with the Montreal General Hospital. Erection of Royal Victoria-Montreal Maternity Pavilion. 1925 Roddick Memorial Gates opened. Closing of old Montreal Maternity Hospital. 1926 Sub-department of Industrial Medicine formed with Industrial 1927 Clinic at the Montreal General Hospital. (Grant of \$25,000 from Metropolitan Life Insurance Company.) Inter-Hospital Commission formed for purposes of administration.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with title of Secretary.

A. F. Holmes, 1854.
Geo. W. Campbell, 1860.
R. P. Howard, 1882.
Robert Craik, 1889.
George Ross (Vice-Dean), 1889.
Thomas G. Roddick, 1901.
Francis J. Shepherd, 1908.
Herbert S. Birkett, 1914.
F. G. Finley, 1921.
George E. Armstrong, 1922.
C. F. Martin, 1923.
(J. W. Scane, Assistant Dean, 1920-1922.)

REGISTRARS

John Stephenson, 1829.
Archibald Hall, 1842.
William Wright, 1864.
Robert Craik, 1869.
William Osler, 1877.
F. J. Shepherd, 1883 (Acting).
James Stewart, 1884.
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
J. W. Scane, 1903.

Registrarship abolished—1923

SECRETARIES

J. C. SIMPSON, 1923.

MEDICINE

Chair of Medicine (Founded 1824)

WILLIAM CALDWELL, 1824. WILLIAM ROBERTSON, 1833. ANDREW F. HOLMES, 1842. R. P. HOWARD, 1860. GEORGE ROSS, 1889. JAMES STEWART, 1893. Chair of Clinical Medicine (Founded 1845)

James Crawford, 1845 and 1852.
Robt. L. MacDonnell, 1849.
Stephen C. Sewell, 1850.
R. P. Howard, 1856.
Duncan C. MacCallum, 1860.
Joseph M. Drake, 1872.
George Ross, 1872.
Richard L. MacDonnell, 1889.
James Stewart, 1891.

Chair of Medicine and Clinical Medicine (Founded 1907)

(Chair of Medicine since 1923)

F. G. FINLEY, 1907-1924.

H. A. LAFLEUR, 1907-1919.

C. F. MARTIN, 1907.

J. C. Meakins, Professor and Director, 1924.

C. P. Howard, 1924.W. F. Hamilton, 1924.

SURGERY

Chair of Surgery (Founded 1824)

JOHN STEPHENSON, 1824. G. W. CAMPBELL, 1835. GEO. E. FENWICK, 1875. T. G. RODDICK, 1890. Chair of Clinical Surgery
(Founded 1840)

James Crawford, 1845.
WILLIAM E. SCOTT, 1852.
DUNCAN C. MACCALLUM, 1856.
ROBERT CRAIK, 1860.
GEORGE E. FENWICK, 1867.
THOMAS G. RODDICK, 1876.
JAMES BELL, 1894.

Chair of Surgery and Clinical Surgery
(Founded 1907)

(Chair of Surgery since 1923)

JAMES BELL, 1907-1911.

GEO. E. ARMSTRONG, 1907-1923.

J. A. Hutchison, 1913-1923.

E. W. ARCHIBALD, Professor and Director, 1923.

A. T. BAZIN, 1923.

OBSTETRICS AND GYNÆCOLOGY

Chair of Obstetrics
(Founded 1824)
WILLIAM ROBERTSON, 1824.
JOHN RACEY, 1833.
GEO. W. CAMPBELL, 1835.
MICHAEL MCCULLOGH, 1842.
ARCHIBALD HALL, 1854.
D. C. MACCALLUM, 1868.
ARTHUR A. BROWNE, 1883.
J. CHALMERS CAMERON, 1886.

Chair of Gynæcology
(Founded 1883)
WILLIAM GARDNER, 1883.
W. W. CHIPMAN, 1910.

Chair of Obstetrics and Gynæcology

(Founded 1913)

W. W. CHIPMAN, 1913.

ANATOMY

(Chair founded 1824)

JOHN STEPHENSON, 1824. OLIVER T. BRUNEAU, 1842. WILLIAM E. SCOTT, 1856. FRANCIS J. SHEPHERD, 1883. A. C. GEDDES, 1913. S. E. WHITNALL, 1919.

CHEMISTRY

Chair of Chemistry

(Founded 1824)

Andrew F. Holmes, 1824. Archibald Hall, 1842. William Sutherland, 1849. Robert Craik, 1867. Gilbert P. Girdwood, 1879. R. F. Rurtan, 1902.

Chair of Practical Chemistry (Founded 1872) GILBERT P. GIRDWOOD, 1872. R. F. RUTTAN, 1894. Chair of Bio-Chemistry
A. B. Macallum, 1920.
J. B. Collip, 1928.

INSTITUTES OF MEDICINE

Chair of Institutes of Medicine

(Founded 1824 and included the Departments of Physiology, Histology and Pathology)

> John Stephenson, 1824. Stephen C. Sewell, 1842. Robert L. MacDonnell, 1845. William Fraser, 1849. Joseph M. Drake, 1868. William Osler, 1874.

PHYSIOLOGY

(Founded 1824—endowed 1897)

WESLEY MILLS, 1886.
N. H. ALCOCK, 1911.
G. R. MINES, 1914.
JOHN TAIT, 1919.
BORIS P. BABKIN, 1928.

PATHOLOGY

(Founded 1892-endowed 1893)

J. Geo. Adami, 1892.H. Oertel, 1919.

PHARMACOLOGY

Chair of Pharmacology and Therapeutics

(Founded 1824)

Andrew F. Holmes, 1824. Archibald Hall, 1835. Stephen C. Sewell, 1842. A. Hall, 1849. William Wright, 1854. James Stewart, 1883. A. D. Blackader, 1891.

Chair of Pharmacology

H. G. Barbour, 1921.R. L. Stehle, 1924.

BOTANY

(Chair founded 1829)

Andrew F. Holmes, 1829.
Dr. Papineau, 1845.
J. W. Dawson, 1855-56 and 1858-83.
James Barnston, 1857-58.
D. P. Penhallow, 1883.
F. E. Lloyd, 1912.

MEDICAL JURISPRUDENCE

(Chair founded 1845)

WILLIAM FRASER, 1845.
FRANCIS BADGLEY, 1849.
FRANCIS C. T. ARNOLDI, 1850.
WILLIAM E. SCOTT, 1851.
WILLIAM WRIGHT, 1852.
R. PALMER HOWARD, 1854.
DUNCAN C. MACCALLUM, 1860.
GEORGE E. FENWICK, 1867.
WILLIAM GARDNER, 1875.
GEORGE WILKINS, 1883.
D. D. MACTAGGART, 1911.

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871—endowed 1893)

GEORGE ROSS, 1871.
THOMAS G. RODDICK, 1873.
ROBERT T. GOFFREY, 1875.
WILLIAM GARDNER, 1879.
R. L. MACDONNELL, 1886.
ROBERT CRAIK, 1889.
WYATT JOHNSTON, 1902.
T. A. STARKEY, 1902.

A. G. Fleming, Professor and Director of the Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology (Founded 1883)

FRANK BULLER, 1883.

Chair of Laryngology

(Founded 1893)

G. W. Major, 1893.H. S. Birkett, 1895.

Chair of Oto-Laryngology

H. S. BIRKETT, 1906.

Chair of Ophthalmology

J. W. Stirling, 1906.W. G. Byers, 1923.

CHAIR OF ZOOLOGY

E. W. MacBride, 1902. Arthur Willey, 1910.

CHAIR OF HISTORY OF MEDICINE

ANDREW MACPHAIL, 1907.

FACULTY OF MEDICINE

The ninety-seventh session of the Faculty will open on September 19th, 1928,

ENTRANCE REQUIREMENTS

A candidate for admission to the First Year of the Faculty of Medicine must present satisfactory evidence that he has completed at least two full years in a College or Faculty of Arts of a recognized University.

The two years of college work must include:-

Physics—One year of general college Physics with laboratory work.

Biology—One year of general Biology or Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not Botany alone.

Chemistry-Two years:-

- (a) One full year of General Chemistry with laboratory work.
- (b) One full course in Organic Chemistry with laboratory work.

(The course in Organic Chemistry may be covered in one half-year if desired.)

It is to be understood that the course outlined above is the *minimum* requirement for admission to the First Year of the Faculty of Medicine. Since, however, the primary purpose of the pre-professional training is a sound general education, preference will be given to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization.

Courses specially designed to meet these requirements are offered in the Faculty of Arts of this University, where a student may:—

- (a) Register in a double course, taking three years of work in the Faculty of Arts, and receiving a B.A. or B.Sc. degree upon the completion of the first year of medical study. This course is strongly recommended.
- (b) Take the minimum two years' course as outlined above.

Students who are qualified by Senior Matriculation, or otherwise, may enter the second year of the Arts' Course, and thus shorten their pre-professional training.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong. (For further particulars see "Requirements for Licence to Practise," p. 45.)

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty of Medicine.

As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

If the applicant be accepted he will be expected to pledge himself to enter the Faculty of Medicine in September; otherwise his place will be given to another eligible candidate.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1928-29 on September 12th to September 18th, 1928. Those who register after September 20th will be required to pay a fee of \$5.00 if they do so during the first week of the session and \$10.00 if during the second. This fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination to be conducted by, or under the direction of, the Director of the Department of Physical Education, or by a recognized representative. Students of the Second Year, as well as those of all Years who wish to engage in athletic activities, are also required to be physically examined. The hours for this examination will be announced at registration.

By such examination, physical defects and weaknesses may be discovered. If such defects and weaknesses are amenable to treatment by corrective gymnastics, special exercise will be prescribed and instruction provided. The student will be advised as to what forms of exercise will be likely to prove beneficial or harmful.

Students who do not present themselves for the medical examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Re-examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

In accordance with the regulations of the Provincial Board of Health all students (both those entering the University as well as those previously enrolled) will at the time of registration for the session 1928-29, be required to show a certificate of successful vaccination within the past seven years or of insusceptibility to vaccine within five years, and no student will be allowed to attend the University until such a certificate is presented.

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulation regarding medical examination.

Suspension from lectures for any cause, or absence from more than one-eighth of the total number of lectures given in any course, as shown by the monthly reports furnished to the Dean of each Faculty by the several professors and lecturers, shall be considered as sufficient ground to disqualify a student from engaging in athletic contests.

During the session and including the Christmas holidays, all teams and individual students desiring to participate in "outside"* athletics must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletic Manager, by whom all such sanctions are granted.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participation in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees

^{*} Outside athletics is interpreted to mean the athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

Provision is made by the Department for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only, when requisitioned for by the Department. A leaflet concerning this service and the general work of the Department, together with the regulations governing athletics, will be distributed at the opening of the session.

FEES

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 26th and 27th. They may be paid by cheque, which should be mailed so as to reach the Bursar by the date named.

Fees will also be accepted before September 19th.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

After September 27th or February 1st (in the case of those who pay by instalments) an additional fee of \$2.00 will be exacted of all students in default.

- 2. Immediately after October 10th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Dean of the Faculty a list of the registered students who have not paid their fees, on receipt of which he shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.
- 3. Students registering after September 27th shall pay their fees at the time of registration, failing which they become liable for the additional fee of \$2.00 exacted of students in default.
- 4. The total Faculty fees for the medical course of five full sessions, including clinics, laboratory work, dissecting materials and reagents, will be one thousand two hundred and fifty dollars, payable in five annual instalments of \$250.00 each. This, however, does not apply in the case of students who entered before 1926.

At the request of the students themselves and by the authority of Corporation, an additional fee of \$17.00 will be exacted from all men undergraduates, for the support of different undergraduate organizations and for athletics, including admission to the tennis courts and rinks during the session and to all home games under the control of the Athletic Board.

Women students are required to pay, in addition to the tuition fees, \$6.00 for athletics (including admission to the tennis courts and rinks during the session and to all home games under the control of the Athletic Board), \$2.50 for the Women Students' Society and \$1.50 for the McGill Daily.

The sum of \$10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made and a refund is granted at the close of the session.

- 5. Partial students will be admitted to one or more courses on payment of special fees. They are required to pay a \$3.00 fee for athletics. Men students of this class may, however, pay \$10.00 and Women students \$6.00 instead, in return for which they will be admitted to the tennis courts and rinks during the session and to all home games under the control of the Athletic Board.
- 6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc.
- 7. Students taking out extra dissecting material will be charged at the rate of \$10.00 for a half session and \$20.00 for a whole session.
- 8. An ad eundem fee of \$10.00 is charged students entering from another university in any Year above the First.
- 9. When the degree of Doctor of Medicine and Master of Surgery is conferred in absentia, a fee of twenty dollars will be charged, unless the candidate has been specially exempted by the Faculty.
- 10. The fee for the graduate course in Public Health, including laboratory fee, the fee for outdoor work and the diploma fee, is \$100.00.

SUMMARY OF FEES

Sessional fee		\$250.00*
First instalment, if paid before September 27th	\$127.00†	
Second instalment, if paid before February 5th	127.00†	
Microscope, first instalment (on deferred payment plan)	32.00	32.00
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc	17.00	17.00
	\$313.00	\$309.00

^{*}For students who entered the Faculty prior to the session 1926-27 this fee will be \$205.00.

[†] For students who entered prior to 1926-27, \$105.00.

MICROSCOPES

Each student is required to provide himself, on beginning his studies, with a first-class microscope for laboratory and private study throughout his course. The Faculty will supply the instruments necessary for demonstrations, etc. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of \$105.00 or on the deferred payment plan, by which payment is spread over five years, as follows:—First year, \$32.00; second year, \$25.00; third year, \$22.00; fourth year, \$20.00; fifth year, \$16.00.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 348 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

Information about boarding and lodging houses may be had on application to the Secretary at Strathcona Hall. A list of suitable houses is prepared about a fortnight before the opening of the session each year. Owing to frequency of change, this list is not mailed.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of from \$60.00 and upwards per month; or, separately, board at \$45.00 to \$55.00 per month, rooms from \$15.00 to \$20.00 per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served \grave{a} la carte.

2. APPROXIMATE ESTIMATE OF COST OF COURSE

	Minimum	Moderate
Tuition Fees	\$250.00	\$250.00*
Fee for Athletics, Union, etc	17.00	17.00
Board and Lodging	480.00	560.00
Books, Instruments, etc	153.00	173.00
	\$900.00	\$1,000.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of \$10.00 which is made by each student at the commencement of the session. Students are advised also to reckon on at least \$20.00 to \$25.00 per annum for subscriptions of various kinds.

^{*}For students who entered the Faculty prior to 1926-27, this fee will be \$205.00.

EXAMINATIONS AND PROMOTION

A. Examinations

- 1. Class Exeminations, oral or written, are held during the session to test the progress of the student. If the standing obtained by any student in these examinations is unsatisfactory, he shall not be permitted to take the final examination.
- 2. Final or University Examinations are the ultimate test in determining a student's fitness for promotion or graduation. They are held at the end of the Winter and Spring Terms and during the fortnight preceding the opening of the Autumn Term in September.

The Final or University Examinations include the following subjects arranged in three divisions:—

First:—			
1.	Anatomy	3	terms
2.	Histology	2	"
3.	Bacteriology	1	term
4.	Physiology	3	terms
5.	Biochemistry	2	"
Second:-			
6.	Pharmacology	1	term
7.	Pathology and Medical Jurisprudence	5	terms
Third:—			
8.	Public Health and Preventive Medi-		
	cine	2	terms
9.	Obstetrics and Gynæcology	2	"
10.	Surgery (including Urology and Or-		
	thopædic Surgery)	6	"
11.	Medicine (including Pediatrics, Neu-		
	rology, Psychiatry, Dermatology		"
	and Laboratory Diagnosis)	7	

In order to qualify for these examinations, a candidate must have attended a course or courses of study extending over at least the number of terms specified in each case.

3. Re-examination:—A student who has failed in the Final Examination in any subject may apply for re-examination at the next examination period. Applications must be in the hands of the Secretary at least one week before the date set for the beginning of the examinations, and the applicant must at the same time pay to the Bursar a fee of \$5.00 for each subject.

B. GRADING

At the conclusion of each course students will be graded in five groups, as follows:—

A = Honours

B = Good

C = Fair

D = Doubtful

E = Failure.

In reporting the grading, the names of those students who attain honour standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final and Class Examinations, but the instruction will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

C. PROMOTION

As noted in section A, the Final or University Examinations are arranged in three divisions. Whilst a certain latitude is permitted as to the time at which these examinations are passed, the following rules will be rigidly enjoined:—

- 1. First Division.—A student must pass the examinations in all subjects of the First Division before he will be permitted to begin the work of the seventh term.
- 2. Second Division.—The examinations in Pharmacology and General Pathology must be passed before a student will be permitted to proceed to the work of the tenth term. The examinations in Special Pathology and Medical Jurisprudence must be passed before the student may proceed to the work of the thirteenth term.
- 3. Third Division.—A candidate may pass the Final Examinations in Public Health separately from the examinations in the other subjects of the Third Division, but not earlier than the end of the twelfth term.

To qualify for the Final Examinations in Medicine, Surgery and Obstetrics, a candidate must have:—

- (a) Attended courses extending over a period of not less than fifteen terms.
- (b) Satisfactorily completed the prescribed courses of study and practice in:—

- i. Ophthalmology,
- ii. Oto-laryngology,
- iii. Abnormal Psychology and Psychiatry,
- iv. Infectious Diseases,
- v. Anæsthesia,
- vi. Post-mortem Examinations,

and such other courses as the Faculty may from time to time determine.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

- 4. The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.
- 5. At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C, and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or retired from the Faculty.

MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

MEDALS

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., LL.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Bio-chemistry, together with a creditable examination in the primary branches.

The Lieutenant Governor's Silver Medal, to be awarded to the student who obtains the highest marks in General Medicine at the end of the Fifth Year.

The Lieutenant Governor's Bronze Medal, to be awarded to the student who obtains the highest standing in the Final Examination in Physiology.

PRIZES

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Biochemistry and Bacteriology).

The F. Slater Jackson Prize. An annual prize of \$50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

The Alexander D. Stewart Prize. An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

FELLOWSHIPS

The A. A. Browne Memorial Fellowship. The sum of \$10,000 has been received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of \$25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in pathology, given by the late Dr. James Douglas, open to McGill graduates only, tenable for six years and of the value of \$1,250 for the first year, increasing to \$2,500.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of \$60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately \$600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a permanent fellowship in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company.

The John W. Flinn Research Fellowship.—In 1921 Dr. John W. Flinn, of Prescott, Arizona, gave the sum of \$5,000, to be paid in five equal annual instalments of \$1,000, this sum to be used for the assistance of medical research in tuberculosis.

The Hiram N. Vineberg Fellowship in Gynæcology, of the value of \$250.00 per annum, donated in 1924 by Dr. Hiram N. Vineberg, of New York, a graduate of McGill University, 1878.

The J. W. McConnell Scholarship.—The sum of \$1,000.00 was donated to the Department of Surgery for purposes of research for the year 1925-26. This was renewed each year since and will be again available for the session 1928-9.

The Clara Law Fellowship, founded in 1927 by Mrs. J. R. Fraser for the furtherance of research in the laboratory of the Department of Obstetrics and Gynæcology, is of the value of \$1,200 per annum.

The P. P. Cowans Scholarships of \$1,000.00 was presented to the Department of Surgery and Physiology for purposes of investigation in these subjects during the year 1925-26. It was renewed each year since and will be again available in 1928-9.

The Walter J. Hoare Memorial Scholarship.—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

Four scholarships for Canadian students were donated in 1927, one each by Mrs. R. MacDougall Paterson, Mrs. Charles Meredith, Mrs. C. F. Martin and Louis Colwell, Esq. These scholarships are valued at \$400.00 each per annum, and extend over the five years of the course. The conditions pertaining to these scholarships may be had on application to the Dean or Secretary of the Faculty of Medicine.

Two additional scholarships similar to the above have been donated by C. W. Lindsay, Esq., and A. B. Purvis, Esq., and will be available for the session 1928-29.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
- 3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the five years of the Medical course.
- 5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
- 6. He must also have attended during one full session the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENSE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained. In order that disappointment and loss of time may be avoided, the University requires students to register with the licensing body of their home province or state before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC.—Dr. J. Gauvreau, 364 St. Catherine Street E., Montreal.

Ontario.—Dr. H. Wilberforce Aikens, 170 University Avenue, Toronto, Ont.

New Brunswick.—Dr. S. H. McDonald, 56 Colborne Street, St. John, N.B.

Nova Scotia.-Dr. W. H. Hattie, Halifax, N.S.

PRINCE EDWARD ISLAND.—Dr. J. S. Jenkins, Charlottetown, P.E.I.

MANITOBA.—Dr. J. E. Coulter, 604 Boyd Bldg., Winnipeg, Man.

Alberta.—Dr. George R. Johnston, Calgary, Alta.

Saskatchewan.—Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUMBIA.—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. R. W. Powell, 180 Cooper Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in the final subjects.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

UNDERGRADUATE COURSES

1. THE MEDICAL COURSE

Each session is divided into three terms of ten weeks, and the medical course will be completed in fifteen terms—or, if the student so desires, he may proceed more slowly prior to taking the examinations for his degree.

The curriculum is so arranged as to permit of a student taking additional or advanced work in certain terms, while in the hospital year much more latitude will be afforded for independent study.

The tenth, eleventh and twelfth terms are arranged on a rotary system.

For information as to courses and examinations required, see p. 38.

2. DOUBLE COURSES IN ARTS AND MEDICINE B.A., M.D.

The degrees of B.A. and M.D. may be obtained in eight years.

The first three years are taken in the Faculty of Arts, Physics being taken in the First Year, Chemistry 1 in the Second Year and premedical Biology and Chemistry in the Third. This is followed by the regular five-year course in the Faculty of Medicine, the B.A. degree being granted on completion of the first medical year.

B.Sc., M.D.

The degrees of B.Sc. and M.D. may be obtained in eight years. Students who wish to proceed to advanced work in Physiology, Biological Chemistry, Pharmacology or allied subjects can qualify by taking the first four years of this course.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.

ASSISTANT PROFESSOR:-J. BEATTIE.

LECTURER :- H. E. MACDERMOT.

G. C. Anderson; H. M. Elder; R. R. Fitzgerald; G. A. Fleet;

D. S. FORSTER; G. D. LITTLE;

B. F. MacNaughton; R. Bruce Malcolm:

T. M. RICHARDSON; A. ROSS; D. E. ROSS; W. W. RUDDICK; P. G. SILVER; A. STEWART.

The required courses in Anatomy, Histology and Embryology are given in the first three terms of the Medical Course. In subsequent terms opportunity is afforded for a complete revision in Anatomy, together with optional courses of advanced work, both gross and microscopic.

REQUIRED COURSES

1. Lecture Course in Gross Anatomy.

DEMONSTRATORS :-

Three hours weekly throughout the Autumn, Winter and Spring Terms......Professors Whitnall and Beattie.

Text-books:—Gray's "Anatomy" (English Edition); Whitnall's "Study of Anatomy."

Reference books:—Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology."

Recommended for Collateral Reading:—Keith's "Menders of the Maimed"; Hilton's "Rest and Pain."

2. Laboratory Course in Gross Anatomy.

Fifteen hours weekly during the Autumn and Winter Terms, and fourteen hours weekly during the Spring Term.

Professor Whitnall and Staff.

Practical Manual:-Walmsley.

3. Tutorials: Devoted mainly to the study of Osteology and Surface Anatomy.

One hour weekly throughout the session..........Dr. MacDermot. Text-books:—Gray's "Anatomy"; Thompson's "Surface Anatomy."

- Revision Course: An optional laboratory course covering the whole body.Three hours weekly throughout the session for students who have

Three hours weekly throughout the session for students who have completed the required work.....Professor Whitnall and Staff.

6. Elective Work: Advanced or special work by arrangement. Six hours weekly during the Spring Term.

Professor Whitnall and Staff.

7. Ophthalmological Anatomy: Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology.

By arrangement. Details on application.....Professor Whitnall.

- 8. Oto-laryngological Anatomy: A similar course.

 By arrangement. Details on application......Professor Whitnall.

HISTOLOGY AND EMBRYOLOGY

 $\begin{aligned} & \text{Associate Professor:}{-\text{J. C. Simpson.}} \\ & \text{Lecturers in Histology:}{--} \left\{ \begin{aligned} & \text{W. M. Fisk.} \\ & \text{C. T. Crowdy.} \end{aligned} \right. \end{aligned}$

DEMONSTRATOR: -G. C. ANDERSON.

REQUIRED COURSES

- 1. Histology and Embryology—Lecture Course.

 Three hours weekly during the Autumn and Winter Terms.

 Professor Simpson and Dr. Fisk.

 Text-books:—Jordan, Bailey.
- 2. Histology and Embryology—Laboratory Work.
 Seven hours weekly during the Autumn and Winter Terms.

3. Organogenesis: The development of the organs and systems of the human body.

One hour a week throughout the Session......Professor Simpson. Reference books:—Jordan; Arey; Keith.

OPTIONS

4. Special Histology and Embryology.

Laboratory course open to students who have completed Courses 1 and 2.

Three hours weekly (Saturday mornings) throughout the Session.

5. Optional Work: Advanced work, including microscopical technique.

Six hours a week during the Spring Term. By arrangement.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR AND DIRECTOR OF EXPERIMENTAL MEDICINE:—JOHN TAIT.

RESEARCH PROFESSOR: -BORIS P. BABKIN.

ASSISTANT PROFESSOR:-N. GIBLIN.

DEMONSTRATOR: -W. H. FINNEY.

RESEARCH FELLOW: J. A. WRIGHT.

In this department special provision is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate purposes Physiology has been linked up with Experimental Medicine, and the department, working in intimate association with the hospital wards, forms the headquarters for research in clinical problems along instrumental or "experimental" lines. At the same time the available graduate instruction is not confined to the immediate medical applications of Physiology, provision being made for dealing with the science in some of its wider biological implications.

REQUIRED COURSES

- 1. Introductory Course—Lectures and Demonstrations. Six hours a week during the Spring Term.
- Systematic Physiology—Lectures and Demonstrations.
 Three hours a week. Autumn and Winter Terms.

 Text-books:—Howell, Macleod, Starling, Stewart.

3. General Laboratory.

Six hours a week. Autumn Term.

Text-book:—Sharpey-Schafer, "Experimental Physiology."

4. Mammalian Laboratory.

Six hours a week. Winter Term.

Text-book:—Sherrington, "Mammalian Physiology."

OPTIONS—FOR GRADUATE STUDENTS

5. Advanced Lectures.

- 6. Advanced Laboratory.
- 7. Physiological Clinics.
- 8. Lecture Course on Structure and Function.

Professor Tait.

- 9. Physiological Colloquium.
- 10. Tutorial Class.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR: -J. B. COLLIP.

ASSOCIATE PROFESSOR :- S. W. BLISS.

LECTURER :- DAVID L. THOMSON.

Lecturers on Pathological Chemistry: - $\left\{ \begin{array}{l} E.~H.~Mason. \\ I.~M.~Rabinowitch. \end{array} \right.$

DEMONSTRATOR: -S. A. BEATTY.

1. Biochemistry-Lecture Course.

During the first half of the course the lectures will deal with the chemical constitution, the physical and other characters and the relationships of the products of the activities of living matter, carbohydrates, fats, proteins, urea, ureides, purins, etc., and in the second half will involve an extensive discussion of (a) the origin, character and the active properties of the various ferments of the digestive tract; (b) the chemical and physical processes involved in, and the products resulting from, the digestion, absorption and assimilation of the foodstuffs in the human body; (c) the intermediate and ultimate products of metabolism, and (d) the chemistry of the tissues and of blood, bile and urine.

Five hours a week during the Autumn and Winter Terms.

2. Biochemistry-Laboratory Course.

The exercises will deal with the practical side of the subjects treated in the lecture course, such as the digestion of starch, fats, and proteins, the absorption and assimilation of fats, the metabolism of the carbohydrates absorbed, and of the products of protein digestion. Especial attention will be given to the methods of the qualitative and quantitative determination of the more important metabolites, such as urea, uric acid, creating, creating, etc.

Twelve hours per week during the Autumn and Winter Terms.

Towards the close of Courses 1 and 2 in the second term, special attention will be given to Pathological Chemistry, which will involve a course of about twenty lectures and about fifty hours of practical work on metabolism in disease.

In addition to the written and practical examination exacted of each student in this course, oral examinations will be held and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Biochemistry for the year.

Text-books:—Cole, "Practical Physiological Chemistry"; Halliburton, "Essentials of Chemical Physiology"; Plimmer, "Practical Organic and Biochemistry"; Folin, "Laboratory Manual of Biological Chemistry"; Lusk, "Science of Nutrition."

Reference books:—Robertson, "Principles of Biochemistry"; von Fürth, "Chemistry of Metabolism"; Baylis, "Principles of General Physiology."

PATHOLOGY AND BACTERIOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL.

Associate Professor:—L. J. Rhea.

Assistant Professor of Bacteriology:—A. A. Bruère.

Assistant Professr of Pathology:—T. R. Waugh.

LECTURER AND DOUGLAS FELLOW IN PATHOLOGY:—W. H. CHASE.

LECTURER IN BACTERIOLOGY:—W. W. BEATTIE.

LECTURER IN NEUROPATHOLOGY:—A. W. YOUNG.

A. W. BLAIR; J. E. DEBELLE;

Assistant Demonstrators:— P. E. MacDermot; Neil McLeod;

A. S. Ross; G. D. L. TAYLOR.

CURATOR OF MUSEUMS :- E. L. JUDAH.

PATHOLOGY

REQUIRED COURSES

- 2. General Pathology and Pathological Morphology. Comprising the philosophical and historic evolution of the conceptions of disease, pathogenesis and the structural changes incident to it. Two lectures a week—Winter and Spring Terms.

3. Laboratory Course in General Pathological Anatomy and Histology.

Six hours weekly—Winter and Spring Terms.

Pathological Institute......Professor Oertel and Demonstrators.

Professor Oertel.

4. Special Pathology of the Circulatory, Respiratory, Digestive and Renal Systems.

One lecture a week—Autumn, Winter and Spring Terms.

Professor Oertel.

5. Laboratory Course in Special Pathological Anatomy and Histology.

One hour a week—Autumn, Winter and Spring Terms. Pathological Institute.....Professor Waugh and Demonstrators.

- 6. Diseases of the Blood-forming Organs.

 One lecture a week—Autumn Term......Professor Waugh.

- 10. Practical .Course of Pathologico-Anatomical Methods and Diagnosis.

11.	Performance of Autopsies—Group instruction.	
	Autumn, Winter and Spring Terms.	
	Pathological InstituteDr. Chase and Demonstrate	ors
	Montreal General HospitalProfessor Rhea and Demonstrato	ors

12. Gross and Microscopic Demonstrations and Discussions of Specimens Removed at Surgical Operations.

13. Clinico-Pathological Conferences.

On cases from the medical service of the Royal Victoria Hospital. Once a week—Autumn, Winter and Spring Terms.

Pathological Institute.......Medical and Pathological Staffs.

OPTIONS

- Open to undergraduates who have taken Course No. 5.
 Once a week—Winter Term.

By appointment.
Pathological Institute and Montreal General Hospital.
Professors Oertel, Rhea and Waugh.

Reference books:—Oertel, "Introduction to Pathology"; Virchow, "Cellular Pathology"; Cohnheim, "Lectures on Pathology"; Ziegler, "Specielle Pathologie"; Delafield and Prudden, "Text-book of Pathology"; Wells, "Chemical Pathology."

BACTERIOLOGY

REQUIRED COURSE

Demonstrators and Assistant Demonstrators.

OPTIONS

- 3. Bacteriological and Immunological Research.

 Open to Graduates. By appointment.

 Pathological Institute.......Professor Bruère and Dr. Beattie.

Reference books:—His and Zinsser; Muir and Ritchie; Jordan; McFarland; Mallory and Wright.

GRADUATE COURSES FOR HIGHER DEGREES

These courses in Pathology and Bacteriology are open to graduates for higher degrees and students of other Faculties. For special course for graduates for higher degrees, see Announcement of the Faculty of Graduate Studies.

MEDICAL JURISPRUDENCE

PROFESSOR: -D. D. MACTAGGART.

In this course the criminal and civil aspects of legal medicine are taken up and fully discussed, also lunacy and its medico-legal aspects. Special attention is devoted to the subject of blood stains, the chemical, microscopic and spectroscopic tests for which are fully described and demonstrated, also the serum test for the detection of human blood. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearance and chemical tests. The post-mortem appearances are fully illustrated by specimens. Injuries are fully discussed, with reference to their significance, under the Workmen's Compensation Act and Accident Insurance.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

PROFESSOR AND DIRECTOR:—A. GRANT FLEMING.
STRATHCONA PROFESSOR OF HYGIENE:—T. A. STARKEY.

 $\text{Assistant Professors:} {-} \left\{ \begin{array}{l} \text{R. St. J. Macdonald.} \\ \text{F. B. Jones.} \end{array} \right.$

Assistant Professor of Mental Hygiene:—W. T. B. Mitchell. Lecturer in Industrial Hygiene:—F. G. Pedley.

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

In order that the importance of Public Health and Preventive Medicine may be kept before the student, short courses are given in the First and Second Years. These courses are of an introductory nature and, from a historical background, develop the needs and opportunities for preventive medicine and its relation to society.

The main course is given in the Third Year, with the exception of the communicable diseases, which come in the Fourth Year.

The Department aims to correlate the teaching of the preventive aspects of Medicine with that which is dealt with by other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the programme of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The course includes introductory lectures in the First and Second Years, in an attempt to give the student more complete insight into his own behaviour responses and an objective attitude to the behaviour responses of others. This introductory course is followed up by the formal Mental Hygiene presentation, covering ten hours, in the Third Year.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post so frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

In the Third Year, visits of inspection are made to plants selected to illustrate the general principles of water purification, the modern dairy plant, including pasteurization and industrial hygiene.

A brief course in Applied Public Health Bacteriology is given to familiarize the student with the facilities available, the method of taking specimens, the methods of examination and the interpretation of laboratory reports on water, milk, sputum, nose and throat swabs.

A Health Study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the Fifth Year. This study requires some individual field work by each

student.

An optional practical course, more advanced than the above regular course, is open to students wishing to go more fully into the subject.

The Laboratory is provided with all apparatus needed in every branch of public health work.

Text-books and Reference Books:-

The General Field:-Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Rosenau; Park; Fitzgerald.

Industrial Hygiene: - The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White. School Hygiene: - The Fundamentals of School Health, Kerr.

PHARMACOLOGY

PROFESSOR:—R. L. STEHLE.

Assistant Professor of Therapeutics: -D. S. Lewis.

ASSISTANT PROFESSOR OF PHARMACOLOGY:-N. B. DREYER.

LECTURER IN ANÆSTHESIA: - WESLEY BOURNE.

LECTURER IN THERAPEUTICS: - D. GRANT CAMPBELL.

Lecturers in Physio-Therapy: $=\begin{cases} F. J. Harvey. \\ Norman Brown. \end{cases}$

DEMONSTRATOR IN PHARMACOLOGY: -W. DE M. SCRIVER. ASSISTANT DEMONSTRATOR: -C. J. TIDMARSH.

REQUIRED COURSES

Second Year

1. Pharmacology.—The action of drugs is considered in as exact a fashion as possible from information derived by means of experimental methods and careful clinical observation. A serious attempt is made to familiarize the student with the chemistry of the drugs studied in so far as it is known.

Three lectures a week during the Spring Term, supplemented by one conference and one demonstration a week.

Professor Stehle and Dr. Dreyer.

 Pharmacological Laboratory.—The experiments are chosen to illustrate the lectures of the preceding course.
 Two periods (six hours) a week during the Spring Term.

Professor Stehle, Dr. Dreyer and Staff.

Third Year

3. Therapeutics.—The principles of therapeutics and the application of drugs in Internal Medicine, Surgery, Gynæcology and the specialties are covered.

Two lectures a week during the Spring Term and one per week during the Autumn Term.

Professor Lewis and Drs. Bourne and Campbell.

4. Pharmacy and Prescription Writing.

Five lectures and five laboratory periods during the Winter Term.

Professor Lewis and Assistants.

5. Physio-therapy.

OPTIONS

Suitably prepared persons may undertake research at any time.

Advanced courses leading to the degrees of B.Sc. (Med.), M.Sc., or
Ph.D. will be arranged to suit individual cases. See Announcement of
the Faculty of Graduate Studies.

Text-books in Pharmacology: - Cushny, Sollmann, Poulsson, Meyer and Gottlieb.

MEDICINE

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:-JONATHAN C. MEAKINS.

 $\begin{aligned} \text{Professors:} &- \begin{cases} \text{Campbell Palmer Howard.} \\ \text{W. F. Hamilton.} \\ \text{C. F. Martin.} \end{aligned}$

ASSOCIATE PROFESSOR:-A. H. GORDON.

Assistant Professor and Assistant Director of the University Medical Clinic:—E. H. Mason.

Assistant Professor of Medical Research:—Maude E. Abbott.

Assistant Professors:—

C. A. Peters.

I. M. Rabinowitch.

Lecturers:—

J. G. Browne, J. Kaufmann, D. S. Lewis.

C. F. Moffatt, C. F. Wylde.

LECTURER (TUBERCULOSIS) :- J. R. BYERS.

LECTURER IN MEDICAL RESEARCH (BIOCHEMISTRY): -C. N. H. LONG.

C. C. BIRCHARD, C. R. BOURNE. D. G. CAMPBELL, KEITH GORDON. R. H. M. HARDISTY, A. T. HENDERSON, C. R. JOYCE, D. C. MACCALLUM, DEMONSTRATORS:- A. H. MACCORDICK, H. E. MACDERMOT, J. F. MACIVER, D. W. MCKECHNIE, J. L. D. MASON, D. L. MENDEL, LORNE MONTGOMERY, E. V. MURPHY, E. E. ROBBINS, COLIN SUTHERLAND, J. J. Walker, J. C. Wickham, E. S. Mills.

 $Assistant \ Demonstrators := \left\{ \begin{aligned} &W.\ W.\ Alexander,\ H.\ F.\ Eberts,\\ &W.\ C.\ Gowdey,\ H.\ N.\ Segall. \end{aligned} \right.$

Assistant Demonstrator (Tuberculosis):-J. Lande.

Research Fellows:— $\begin{cases} \text{Jessie Boyd Scriver, W. de M. Scriver,} \\ \text{G. R. Brow.} \end{cases}$

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease: to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and bio-chemistry with clinical medicine is emphasized-not only in the pre-clinical years but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals as well as by affiliation with other institutions.

Students must have followed up at least ten cases from their inception to a conclusion and be certified therefor.

REQUIRED COURSES

Sixth to Ninth Terms (2nd and 3rd years).

1. A course of lectures on the general principles of medicine, emphasizing and correlating the study of Anatomy, Physiology and Biochemistry in the signs and symptoms of disease.

Three hours a week-Spring, Autumn and Winter Terms.

Professors Meakins, Rabinowitch and Mason.

2. A course of clinical lectures twice weekly is given to demonstrate the application of the principles, as set forth in the course of lectures mentioned above.

Professors Meakins, Rabinowitch and Mason.

3. A course of practical instruction on physical examination and physical diagnosis. This course is given in the Wards and Out-patient Department of the Royal Victoria Hospital.

Professor Meakins and Assistants.

- 4. During the eighth and ninth terms, a limited number of cases are allotted to each student in the wards for introductory instruction in case-reporting and general examination of patients. This is supplemented by bedside clinics.
- 5. A course in clinical microscopy of forty periods is given in the laboratories of the Pathological Institute.

Four hours a week-Autumn and Winter Terms.

Dr. Kaufmann and Assistants.

Text and Reference books:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease"; Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; Krehl, "Basis of Clinical Symptoms."

Tenth, Eleventh and Twelfth Terms (4th Year).

6. A course of lecture-quiz exercises throughout the session on the "Principles and Practice of Medicine," by Osler and McCrae, with collateral reading assigned on various topics.

Professor C. P. Howard.

7. A course of theatre clinics at the Montreal General Hospital at which cases of unusual interest are presented.

Professor Gordon and Staff.

8. A course of bedside clinics to small groups at the Montreal General Hospital.

Professor Gordon and Assistants.

- 9. A course at the Out-patient Department of Medicine and Pediatrics of the Montreal General Hospital, in small groups, where the student will act as a clinical clerk, taking routine histories, making a complete physical examination and performing some of the simpler laboratory tests. At the end of each period the interesting cases will be presented to the entire group by the physician in charge.
- 10. A course of clinical-pathological conferences for the entire class will be held once a week at the Pathological Laboratory of the Montreal General Hospital.

Professors Rhea, Howard, Gordon and Assistants.

11. Cases in the Medical Wards of the Montreal General Hospital are assigned to each member of the class for reporting. It is obligatory that each student shall present satisfactory case reports on at least ten patients during this course.

Text and Reference books:—Osler's "Practice of Medicine"; Taylor's "Practice of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Dieulafoy, "The Text-book of Medicine"; Strumpell, "Text-book of Medicine for Students and Practitioners"; McKenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Twelfth-Fifteenth Terms (5th Year).

Hospital year. Each student becomes virtually a member of the externe staff.

He is allotted in turn to various services of the hospital in the capacity of clinical clerk, participating in the keeping of records, the diagnosis and treatment of patients in wards and out-patient departments and in the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Regular theatre clinics are given only in the major subjects.

With the present limitation of students it becomes possible to give the student a closer familiarity than hitherto with practical scientific medicine and its allied subjects of neurology, psychiatry and pediatrics.

PEDIATRICS

CLINICAL PROFESSOR:-H. B. CUSHING.

Lecturers:—

A. B. Chandler.
A. Goldbloom.
L. Lindsay.
S. Graham Ross.
R. R. Struthers.
H. P. Wright.

Demonstrators:—

{ W. E. Enright. R. C. Stewart. W. E. Williams.

Instruction is given in all the clinical years. Emphasis is laid on the relation of Pediatrics to public health and community problems in medicine.

Seventh to Ninth Terms (3rd Year).

1. A series of clinical demonstrations to groups of students on the methods of physical examination of infants and children at the Royal Victoria Hospital, extending over a period of two weeks.

Professor Cushing and Assistants.

2. A series of demonstrations to groups of students on the manifestations of disease in children.

Winter and Spring Terms.

Royal Victoria Hospital.....Professor Cushing and Assistants.

3. During the Autumn and Winter terms of this year a limited number of cases are allotted to each student in the Pediatric Ward for introductory instruction in case-reporting and general examination of patients.

Tenth to Twelfth Terms (4th Year).

4. A course of lectures dealing with the peculiarities and development of children, the principles and theory of infant-feeding, the diseases peculiar to children and the differences in the manifestation and treatment of ordinary diseases of adults and children.

Thirty lectures.

Medical Building............Professor Cushing and Assistants.

5. A series of clinics throughout the year, illustrating the lectures and demonstrating the ordinary diseases of childhood.

Children's Memorial Hospital....Doctors Lindsay and Goldbloom.

6. A series of demonstrations to groups, in Out-patient Department and Children's Wards, on the examination, diagnosis and treatment of sick children.

Montreal General Hospital......Dr. Chandler and Assistants.

A series of demonstrations to groups of students each week on the ordinary acute infectious diseases.

Alexandra Hospital.

Professor Cushing, Doctors D. Grant Campbell and E. V. Murphy.

Thirteenth to Fifteenth Terms (5th Year).

- 8. Students act as assistants to the internes, report cases, attend ward rounds and Out-patient pediatric clinics in the various hospitals, supervised by the attending staffs of the hospitals.
- 9. A series of practical clinics to groups of students on infant feeding and the care and development of young infants.

Montreal Foundling Hospital.

Doctors Lindsay, Goldbloom and H. P. Wright.

10. A series of theatre clinics on the principal diseases of infancy and childhood.

- 11. A series of clinics to groups on the acute infectious diseases.

 Alexandra Hospital.....Doctors Cushing, Campbell and Murphy.
- 12. A series of demonstrations to groups on prematurity, diseases of the newborn and the care and feeding of the newborn.

Montreal Maternity Hospital.

Doctors S. Graham Ross and R. R. Struthers.

13. A series of demonstrations in the various health centres and post-natal clinics on the care and feeding of normal children and the various phases of undevelopment—by the attending staff of these clinics.

Text-books:—Holt and Howland; Dennet; Feer; Still; Porter and Carter; Morse and Talbot; Alan Brown.

NEUROLOGY

CLINICAL PROFESSORS: - { C. K. RUSSEL. F. H. MACKAY. DEMONSTRATOR: -N. VINER.

A course on Applied Anatomy of the Nervous System is given in the earlier years of study, and students of the First and Second Years are introduced, wherever possible, to neurological patients who illustrate the anatomy and physiology of the nervous system.

1. In the Third Year a series of demonstrations is given on clinical methods of examining the nervous system, and some of the commoner diseases are studied.

Professor Russel and Assistants.

2. Clinical lectures and demonstrations on neurology are given in the Fourth and Fifth Years of the course in the wards and medical theatre of the Montreal General and the Royal Victoria Hospitals.

Professors Russel and Mackay and Assistants.

A series of demonstrations on Neuro-pathology is given in the laboratory.

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS.

ASSISTANT PROFESSOR:—DAVID SLIGHT.

LECTURER IN MENTAL HYGIENE:—C. M. HINCKS.

LECTURER IN PSCHIATRY:—A. W. YOUNG.

 $\label{eq:Demonstrators} \mbox{Demonstrators:--} \left\{ \begin{aligned} &A. \ G. \ Morphy, \\ &H. \ A. \ Sims, \\ &J. \ N. \ Petersen. \end{aligned} \right.$

Instruction will be given in the Fourth and Fifth Year.

REQUIRED COURSES

Tenth and Twelfth Terms.

 A course of didactic lectures with clinical demonstrations of the commoner psychopathic conditions.

Medical Building......Professor Slight.

Thirteenth and Fourteenth Terms (5th Year).

2. Clinical instruction in groups is given at the Psychiatric Clinic at the Royal Victoria Hospital, which furnishes examples of the various psychoses, the border line cases, and enables the student to become familiar with forms of mental defect, delinquency and allied conditions. The Clinic deals, moreover, with patients sent for investigation from the charitable agencies of the city and co-operation with the work of the Canadian National Committee for Mental Hygiene.

Professor Slight and Assistants.

3. Practical instruction.

Protestant Hospital for the Insane.

Professors Porteous and Slight.

In all group instruction the student is taught methods of testing psychopathic cases, and of making detailed diagnoses, while the general and occupational therapy, etc., of such cases is dealt with in detail in the hospital services.

Text-books:—"Outlines of Psychiatry," White; "Clinical Psychiatry," Kraeplin; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt; "Diseases of the Nervous System," Jeliffe and White (1923 Ed.).

PSYCHOLOGY

ASSOCIATE PROFESSOR:—J. W. BRIDGES.

- 1. Introductory Course in Normal Psychology. The relation of psychology to other sciences, psychophysiological standpoint, the mechanism of behaviour and the physical basis of consciousness, the motivation of behaviour, instinct habit, imitation, suggestion, perception, association, memory, imagination, feeling, emotion, intelligence, character, temperament and personality.

 One lecture a week—Fourth to Sixth Terms.
- 2. Abnormal Psychology. The relation of abnormal to normal mental life and behaviour, aberrations of instinct and emotion, habit disorders, imperception, hallucination, delusion, obsession, memory disorders, dissociation, mental conflict and its consequences, disorders of personality, dreams, hypnosis, and theories of the unconscious. Abnormalities of mind and behaviour are illustrated by examples from every-day life as well as from mental diseases. One lecture a week—Seventh to Ninth Terms.

DERMATOLOGY

Lecturers:—

{ P. Burnett.

J. F. Burgess.

Demonstrator:—C. R. Bourne.

The course is entirely clinical, consisting of a weekly theatre clinic at the Montreal General Hospital on specially selected cases, and outdoor clinics, weekly, by Dr. J. F. Burgess at the Montreal General Hospital, and Dr. Philip Burnett at the Royal Victoria Hospital, throughout the session. Lantern slides are used to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Dermatology, Hartzell, McLeod, Darier, Campbell, Shamberg, Sutton.

HISTORY OF MEDICINE

PROFESSOR: - SIR ANDREW MACPHAIL.

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY

Professor and Director of the Department:—
E. W. Archibald.

PROFESSOR:-A. T. BAZIN.

Associate Professor: -E. M. Eberts.

Assistant Professors:-W. L. Barlow, C. B. Keenan.

CLINICAL PROFESSOR OF NEUROLOGICAL SURGERY:-W. G. PENFIELD.

LECTURERS:—F. B. GURD, C. K. P. HENRY, F. E. McKENTY, F. A. C. SCRIMGER, F. J. TEES.

Lecturer in Neurological Surgery:—W. V. Cone. Lecturer in Anæsthesia:—W. B. Howell.

DEMONSTRATORS:—JOHN ARMOUR, E. B. CHANDLER, GUY JOHNSON,
R. R. FITZGERALD, L. H. McKim, R. B. Malcolm,
A. Stewart.

Demonstrators in Anæsthesia:— $\begin{cases} J. \ W. \ Armstrong. \\ C. \ C. \ Stewart. \end{cases}$

Assistant Demonstrators:—Howard Dawson, H. M. Elder, G. A. Fleet, B. F. MacNaughton, G. Gavin Miller, Albert Ross, Dudley Ross, P. G. Silver.

To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head, who has been given control of the teaching in the wards and out-patient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and a large rail-road and industrial centre, is noted for the extensive amount and varied character of its clinical material. Indeed the teaching in surgery is mainly clinical and practical. In the Montreal General and Royal Victoria Hospitals there are between five and six hundred beds and also large out-patient departments.

REQUIRED COURSES

Seventh to Ninth Terms (3rd Year).

1. Didactic Lectures Upon the General Principles of Surgery.
Fifteen lectures upon the general principles of surgery are given during the Autumn and Winter Terms. Medical Building.

- 2. Clinical Instruction. All the clinical instruction is given at the Royal Victoria Hospital, except on Saturday forenoon, when a fracture clinic is given at the Montreal General Hospital.
- (a) Out-patient Department, Royal Victoria Hospital. Students are instructed both in the Out-patient and in the In-patient Department. They are brought into immediate contact with the patient, and taught to take a correct history, to differentiate the abnormal from the normal, to apply their knowledge of anatomy, to make an examination, to dress wounds, arrange and apply splints, and to reduce the simpler fractures and dislocations. In this year every effort is made to teach the principles of the art and science of surgery, and to train the student in habits of observation.
- (b) Ward Work. Eighteen beds in the wards are allotted during the second half of the session, in order to train the student in the taking of case histories, and the student is expected to assist at the operation on the patient who has been assigned to him.
- (c) Surgical Pathology. During the first few weeks of the session there will be given a short practical course in Surgical Pathology of an introductory character, which will take up the fundamentals of inflammation, wound repair, and tumours. This will be very largely a laboratory course, and is designed to give the student at the outset of his clinical education a view of the pathological basis of the commoner diseases and injuries such as he will see first in his subsequent hospital service.
- (d) Fractures. On each Sunday forenoon throughout the Winter and Spring Terms a special course of lecture demonstrations on fractures taking up the general principles and illustrating these by cases, will be given at the Montreal General Hospital. The follow-up Out-door clinic for fractures will also be utilized to demonstrate and teach the use of ambulant apparatus and the methods of restoring function.

Tenth to Twelfth Terms (4th Year).

- 3. Didactic Lectures Upon Regional Surgery. During this year a series of thirty lectures will be given upon the main types of disease and injury. Medical Building.
- 4. Clinical Instruction. The clinical instruction in this year is given entirely in the Montreal General Hospital, except for Wednesday forenoons, when the students are given a theatre clinic at the Royal Victoria Hospital. Students attend surgical clinics in the amphitheatre of the hospital three days in the week. They also attend in the wards of the hospital in groups.

- (a) Case Reporting in the Wards. Cases are assigned to students who are required to examine the patient carefully, record the conditions found, arrive at a tentative diagnosis, outline the treatment indicated, assist at operations, and follow the case to conclusion.
- (b) Surgical Amphitheatre Clinics. These are held at the Montreal General Hospital twice a week and at the Royal Victoria Hospital once a week (Wednesday forenoon) throughout the session.
- (c) Out-patient Department. Demonstration Clinics on selected cases from the general surgical clinic are given twice weekly.
- (d) Ward Classes. A teacher of mature experience and of professional rank teaches students in the wards and instructs them in groups.

Thirteenth to Fifteenth Terms (5th Year).

The fifth is a purely hospital year. The student in his surgical term acts, for all practical purposes, as an externe, at whichever hospital he is attending. During the ten weeks of this term he devotes practically his entire time to the study of surgery, and at the end of the session is given a preliminary examination.

- (a) Theatre Clinics. One amphitheatre clinic is given alternately in the Royal Victoria Hospital and the Montreal General Hospital once a week throughout the session.
- (b) Ward Classes. The students in groups of less than ten men are taught at the bedside four hours a week.
- (c) Case Reporting in the Wards. The student is responsible for the case reports of the patients allotted to him, which he is to write, with the help and under the control of the house surgeons, as well as of the chiefs of service. He must do his own laboratory work under the direction of a supervisor; he is to be present at the operations on his own cases, wash up, and assist; he must write the progress notes after operation, copy the pathological reports, and attend eventual autopsies, the principle being that he is to follow his case closely from beginning to end. During the term he is allotted on an average from twenty to twenty-five cases.

Students in this Year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and of the region implicated.

5. Anæsthesia.

Didactic lectures and laboratory demonstrations on anæsthesia are given by the Department of Pharmacology and Therapeutics to the Third Year, and practical instruction in the administration of anæsthetics is given in the hospital to students of the Fourth and Fifth Years.

Text-books:-

- 1. General Surgery: Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery."
- 2. Emergency Surgery: Sluss, John W., "Manual of Emergency Surgery."
 - 3. Surgical Anatomy: Treves' "Surgical Applied Anatomy."
- 4. Fractures: Scudder, Charles L., "Treatment of Fractures"; Wilson & Cochrane, "Fractures and Dislocation."
- 5. Case Reporting: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Ryerson, "Process of Diagnosis."

UROLOGY

CLINICAL PROFESSORS:— $\begin{cases}
D. W. MacKenzie. \\
F. S. Patch.
\end{cases}$ Lecturer:—R. E. Powell.

Demonstrator:—M. Seng.

Students attend this department in the Royal Victoria and Montreal General Hospitals, for instruction in the methods of diagnosis and treatment of surgical diseases of the urinary and male genital organs and syphilis.

During the Fourth Year they are given a course of fifteen lectures on the elements of the subject in the University.

During the Final Year they receive clinical instruction on groups of cases presented for differential diagnosis, and they are required to discuss these cases and outline the treatment indicated.

Clinical clerkships are assigned in the urological wards, where cases are followed to a conclusion. Opportunity is here afforded for the complete study of a considerable number of cases.

Text-books: - Keyes' Urology.

Collateral Reading:—Thompson Walker's Genito-Urinary Surgery.

ORTHOPÆDIC SURGERY

 $\begin{array}{l} \text{Clinical Professors:--} \left\{ \begin{array}{l} \text{A. Mackenzie Forbes.} \\ \text{W. G. Turner.} \\ \text{J. A. Nutter.} \end{array} \right. \end{array}$

LECTURER: -W. J. PATTERSON.

DEMONSTRATOR:-N. T. WILLIAMSON.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General Hospitals.

Each student attends clinics in Orthopædic Surgery at one of these hospitals for ten consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnosis for, and to prescribe the treatment for, a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics for both adults and children suffering from orthopædic affections.

In the Children's Memorial Hospital there is a great wealth of clinical material consisting of children who are suffering from the surgical diseases of infancy and childhood.

Text-books:—Whitman's Orthopedic Surgery; Fraser on Tuberculosis of Bones and Joints of Children; Tubby and Jones on Surgery of Paralysis; Jones, Orthopedic Surgery of Injuries; Jones and Lovett, Orthopedic Surgery.

OBSTETRICS AND GYNAECOLOGY

PROFESSOR: -W. W. CHIPMAN.

CLARA LAW FELLOW AND DEMONSTRATOR: -P. J. KEARNS.

Ninth Term (3rd Year).

 A course of forty lectures on the fundamental principles of the subject, illustrated by diagrams, models and fresh and preserved specimens.

Four times a week-Spring Term.....Professor Chipman.

OBSTETRICS

Tenth to Twelfth Terms (4th Year).

2. Clinical instruction will be given during the year in the Royal Victoria Montreal Maternity Pavilion, and will include ante-natal care in the Out-patient Department and the conduct of labour and the puerperium in the case-room and wards of the Hospital.

Twelve hours a week during one term.

Fifth Year.

3. Rooms are provided in the New Pavilion, where the students may reside, in groups of six, for a period of twelve to fourteen days. During his period of "interneship" the student will be expected to attend his out-door cases, and, under supervision, to deliver these women in their own homes.

Text-books:—Whitridge Williams; Webster; Evans; De Lee; Berry Hart.

GYNÆCOLOGY

4. Theatre Clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals.

Professor Chipman and Staff.

5. Practical instruction to small groups of students in the outpatient departments of the Royal Victoria and Montreal General Hospitals.

Text-books:—Hart and Barbour; Blair Bell; Dudley Hurst; Gilliam; Anspach.

OPHTHALMOLOGY

Professor:—W. Gordon M. Byers.

CLINICAL PROFESSOR:—G. H. MATHEWSON.

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

Ninth Term (3rd Year).

1. Routine examination of the eye.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

Professor Byers, with Drs. Tooke and McKee and members of the Staff

Tenth to Twelfth Terms (4th Year).

2. Lecture demonstrations.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Fifth Year.

Ten hours......Professor Byers.

Thirteenth to Fifteenth Terms (5th Year).

3. Clinical Ophthalmology.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systematic disorders and affections of the nervous system; with practical lessons on ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professors Byers and Mathewson and Staff.

Text-books:-Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

Professor:—H. S. BIRKETT.

LECTURER:—HAMILTON WHITE.

Demonstrators:—{ D. H. Ballon. J. T. Rogers.

Assistant Demonstrators:—

G. E. Hodge.
K. O. Hutchison.
A. E. Lundon.
W. J. McNally.
J. E. Tremble.

The course of instruction in Oto-Laryngology is carried on in the wards and out-patient departments of both the Montreal General and the Royal Victoria Hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving practical instruction in these subjects. In these two hospitals there are about fifty beds set apart for this specialty.

The courses are designed to afford the student the opportunity of acquiring the oto-laryngological knowledge required by every general practitioner. The practical work is conducted in small groups, so that the personal instruction and supervision, so essential in this subject, are given to each student.

Tenth to Twelfth Terms (4th Year).

1. Introductory Course.

Group instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in most dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) The method of using the various instruments for examining the ear, nose and throat; (c) The usual tests for hearing; (d) The recognition of normal conditions of these special organs, as exemplified by clinical material.

Professor Birkett and Staff.

2. Lecture Course.

Ten lectures upon the more common pathological conditions of the ear, nose and throat met with in general practice.

Professor Birkett.

Thirteenth to Fifteenth Terms (5th Year).

3. Clinical Oto-Laryngology.

A course of clinical instruction in the out-patient departments and wards of the hospitals.

Professor Birkett and Staff.

Text-books:—Chevalier Jackson and Coates; St. Clair Thomson; A. Logan Turner; H. Tilley; Kerrison; Phillips.

GRADUATE INSTRUCTION

- 1. Any graduate who so desires may attend any of the regular courses given to students of the Final Year. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

- 3. Post-graduate Courses: Special short courses lasting for two to four weeks are offered by the teachers in most of the clinical departments. For information apply to the Dean of the Faculty of Medicine.
- 4. Course for Diploma of Public Health: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

Candidates must have graduated in Medicine, or must have had other qualifications to practise at least twelve months before they are allowed to receive the diploma.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:-

- (a) A course of lectures dealing in a comprehensive manner with the general principles of hygiene, preventive medicine and sanitation.
- (b) Bacteriology—a full practical course in general bacteriology, with special application to public health.
- (c) (1) Sanitary Chemistry. Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, articles of dress, house decorations, etc.; chemical investigations connected with trades and occupations; (2) Physics. General principles only in their application to hygiene.
- (d) Practical Out-door Sanitary Work. An extended course under a M.O.H., affording facilities for instruction in sanitation relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc., etc.

- (e) Sanitary legislation and administration. Statutes and by-laws relating to public health and the powers of sanitary authorities; administration of the office of a Medical Officer of Health.
- (f) Vital statistics. Calculations and tabulations of returns of births, marriages and deaths and diseases.
- (g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of infectious diseases, of child hygiene and psychopathic diseases, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on sanitary conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course, including the diploma, is \$100.00.

5. Special Courses. Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Department. Courses will be arranged suitable for the applicants, in order that they may receive full benefit from the time devoted to the course.

BUILDINGS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and geographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Roval Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Foundling Hospital.

Alexandra Hospital for Infectious Diseases.

Protestant Hospital for the Insane.

Royal Edward Institute for Tuberculosis.

The Maternity Hospital, from the teaching standpoint, is under the control of the University.

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 38,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museum of Anatomy. The Faculty of Dentistry is also in this Building.

The new rooms for the reception of the Osler Library are now complete and await its arrival this autumn.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184' x 60'—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the latter it draws chiefly its material. It was constructed at a cost of \$460,000; is of Montreal lime stone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

The Medical School is closely affiliated with a group of active general and special hospitals, the staffs of which are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contains over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 438 public beds. During 1927 it cared for 13,685 cases, while in its outdoor department 67,702 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic was established in 1924.

There were 280 post-mortems during 1927. The number of resident physicians is 34.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized outpatient service which is of the greatest benefit to the undergraduate student. During the year 1927 the obstetrical service cared for 2,386

cases, with 2,145 confinements in the Hospital and 313 in the Out-patient Department, a total of 2,458.

There are 10 resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 284 public beds. In 1927 there were 6,912 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, treated last year 155,346 patients. Many modern additions to the original buildings have been made, and a large biochemical laboratory has been finished and completely equipped.

There were 255 post-mortems during the year.

The number of resident physicians is 34.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs, and a hospital dental clinic unequalled anywhere.

The Western Division of the Montreal General Hospital— The Western General Hospital. A hospital for the treatment of acute diseases, with 62 public beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. During the year 1927 there were 2,104 admissions to the wards and 34,097 patients were treated in the out-patient department.

There were 33 autopsies during the year.

The number of resident physicians is 7.

The Children's Memorial Hospital has 130 public beds, and, in 1927, admitted 1,210 patients. The attendance at its out-door department totalled 13,263 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of patients, and enables the student to get a broad conception of pediatrics. Of special interest are the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

There were 57 autopsies during the year.

The number of resident physicians is 6.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pediatrics.

The Montreal Foundling and Baby Hospital affords a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906,, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and, in 1927, 1,411 patients were admitted to the hospital. There were 30 autopsies.

The number of resident physicians is 4.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of Psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute—a dispensary for tuberculosis—offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN :- C. F. WYLDE.

Assistants:
Miss Pauline M. Carrière.

Miss C. Davidson, B.A.

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"The history of the Library is the history of the Faculty."

Professor Hall.

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76×24 feet, exceptionally well lighted, and capable of accommodating 75 readers. On this floor also are the journal room and private offices. The second floor contains the stack room, the book stacks at present containing about 38,000 volumes and having a total capacity of sixty thousand volumes.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible and thus to increase the value of the reference department of the Library. There is also a great duplicate collection of journals from which distribution can be made on the exchange basis.

There is no printed catalogue, but there has been compiled a comprehensive list of continuations with their inclusive volumes, and this list will be available for out-of-town borrowers.

The library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9.00 a.m. to 6.00 p.m., except Saturday, when it closes at 5.00 p.m. After June 1st it is open from 9.00 a.m. to 5 p.m.; Saturdays, 9.00 a.m. to 1.00 p.m. During July and August it is closed on Saturday.

MEDICAL SOCIETIES

1. THE McGILL MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
 - (2) To stimulate interest along medical lines.
 - (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

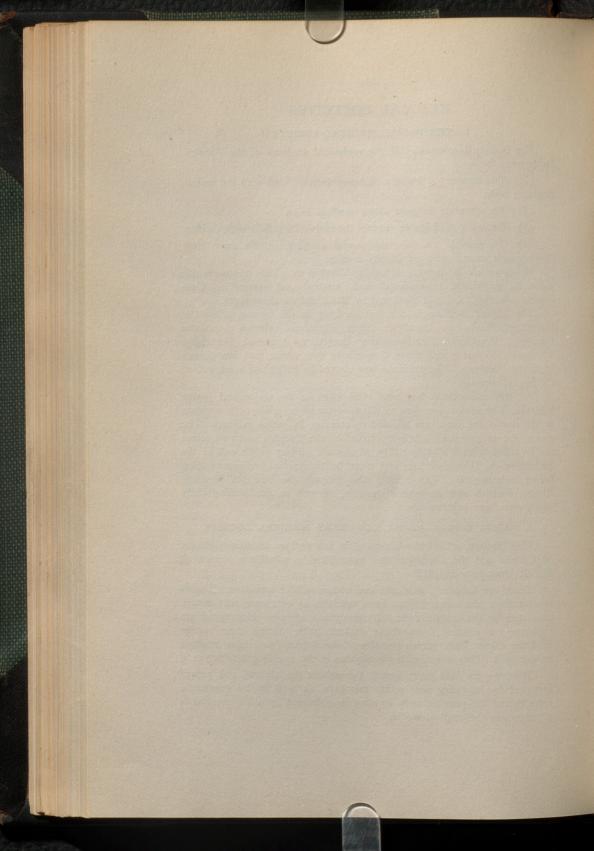
A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

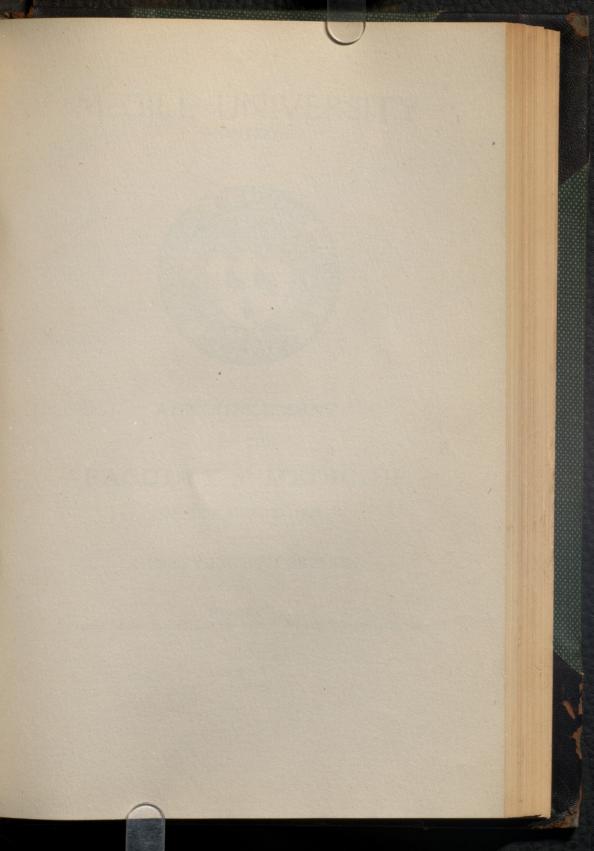
2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

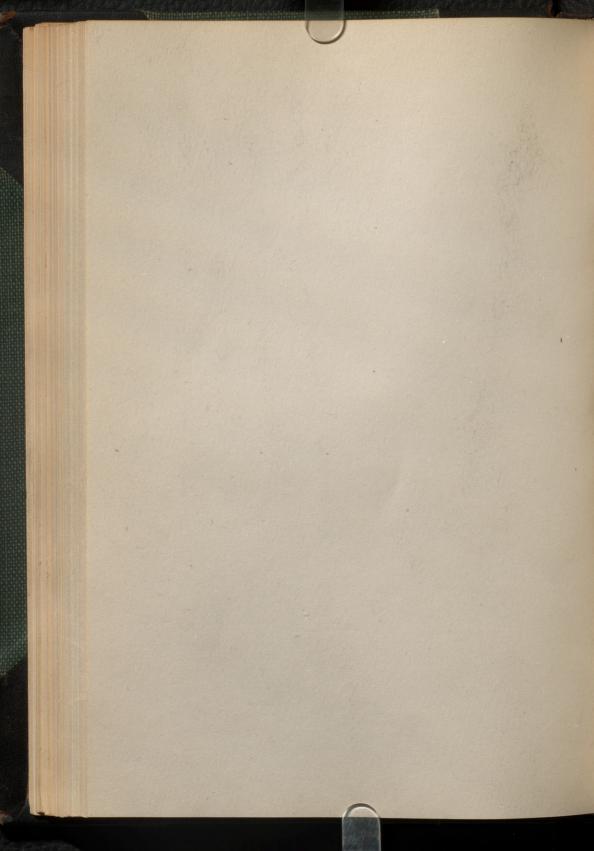
This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the fourth and fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.







McGILL UNIVERSITY

MONTREAL



ANNOUNCEMENT

OF THE

FACULTY & MEDICINE

FOR THE SESSION 1929-30

NINETY-EIGHTH SESSION

MONTREAL:

Printed for the University by the Gazette Printing Company, Limited

1929

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CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1929-30

1929

Monday, Sept. 9 Autumn Examinations begin.

Wednesday, " 11 Register opens for students in Medicine.

Wednesday, " 18 Autumn Term begins.

Sunday, Oct. 6 Founder's Day.

Monday, " 7 Convocation for conferring Degrees. Opening address for the session.

Register closes for the session.

Friday, " 11 Sports Day. No lectures.

Monday, Nov. 11 Thanksgiving Day. No lectures.

Tuesday, " 26 Autumn Term ends.

Wednesday, " 27 Winter Term begins.

Friday, Dec. 20 Last day of lectures before Christmas.

1930

Monday, Jan. 6 Lectures resumed.

Tuesday, Feb. 18 Winter Term ends.

Thursday, " 20 Examinations begin for 1st and 2nd Years.

Spring Term begins for 3rd, 4th and 5th Years.

Wednesday, " 26 Spring Term begins for 1st and 2nd Years.

Wednesday, Mar. 5 Ash Wednesday. No lectures.

Friday, Apr. 18 Good Friday. No lectures.

Saturday, " 19. No lectures.

Monday, " 21 No lectures.

Wednesday, " 30 Spring Term ends for 3rd, 4th and 5th Years.

Wednesday, May 7 Spring Term ends for 1st and 2nd Years.

Thursday, " 29 Convocation for Conferring Degrees.

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C. R. BOURNE, M.D., C.M.	N. I		
Demonstrator in Medicine.	Medical Arts Building.		
IVAN PATRICK, B.A., M.D., C.M.			
Demonstrator in Obstetrics and			
	5021 Sherbrooke Street West.		

E. V. Murphy, B.A., M.D., C.M.	
Demonstrator in Medicine.	Alexandra Hospital.
A. T. HENDERSON, M.D., C.M.	The state of the same of the s
Demonstrator in Medicine. 9	00 Sherbrooke Street West.
J. W. Armstrong, B.A., M.D., C.M.	
Demonstrator in Anæsthesia. 74 (Courcelette Ave, Outremont.
C. C. STEWART, M.D., C.M.	
Demonstrator in Anæsthesia. 74	46 Sherbrooke Street West
COLIN SUTHERLAND, B.A. (Dalhousie), M.	D., C.M.
Demonstrator in Medicine.	1509 Sherbrooke St. W.
N. T. WILLIAMSON, M.D., C.M.	
Demonstrator in Orthopædic Surgery.	Medical Arts Building.
J. J. WALKER, B.A., M.D., C.M.	
Demonstrator in Medicine.	Medical Arts Building.
G. C. MELHADO, M.D., C.M.	
Demonstrator in Obstetrics and Gynæc	cology.
	Medical Arts Building.
D. L. Mendel, M.D., C.M. Demonstrator in Medicine.	403 St. Joseph Blvd. W.
	100 St. Joseph -
A. Stewart, M.D., C.M. Demonstrator in Anatomy and in Surge	746 Sherbrooke St. W.
	iry. To Sherbrooks
W. W. Ruddick, M.D., C.M.	1499 Crescent Street.
Demonstrator in Anatomy. C. R. JOYCE, M.D., C.M.	14)) Crescent Street.
Demonstrator in Medicine.	5242 Park Avenue.
J. C. Wickham, B.A., M.D., C.M.	a de la latte livelide.
Demonstrator in Medicine. 4484	Sherbrooke St., Westmount.
KEITH GORDON, B.A., M.D., C.M.	Sherbrooke Sti, Westington
Demonstrator in Medicine.	Medical Arts Building.
LORNE C. MONTGOMERY, M.D., C.M.	
Demonstrator in Medicine.	Medical Arts Building.
J. F. MacIver, M.D., C.M.	The died in the same of the sa
Demonstrator in Medicine.	311 Wilson Avenue.
DAVID H. BALLON, B.A., M.D., C.M.	
Demonstrator in Oto-Laryngology.	1471 Crescent Street.
W. L. RITCHIE, M.B.	The Crescent Street
	Montreal General Hospital.
	Montreal General Hospital.
G. D. LITTLE, M.D., C.M.	Medical Arts Building.
Demonstrator in Anatomy.	Medical Arts Building.
S. A. BEATTY, M.A.	D' 1 - 1 D '11' -
Demonstrator in Biochemistry.	Biological Building.
W. E. WILLIAMS, M.D., C.M.	1924 D 1 A
Demonstrator in Pediatrics.	1834 Park Avenue.
R. CAMERON STEWART, B.Sc., M.D., C.M.	210 Ci. Ci i i
Demonstrator in Pediatrics. 1.	240 Côte St. Antoine Road.

E. S. MILLS, M.D., M.Sc. Demonstrator in Medicine. Medical Arts Building. D. S. FORSTER, M.A., M.D., C.M. Senior Demonstrator in Anatomy. 4532 Wellington St. Douglas Gurd, M.D. Demonstrator in Obstetrics and Gynæcology. 1482 Mackay St. ELEANOR S. PERCIVAL, B.A., M.D., C.M. Demonstrator in Obstetrics and Gynæcology. 660 Sherbrooke Street West. W. H. FINNEY, B.Sc. (Med.), M.Sc. Demonstrator in Physiology. Biological Building. GEO. C. ANDERSON, M.D., C.M. Demonstrator in Anatomy and Histology. 3500 Durocher Street. JOHN ARMOUR, M.Sc., M.D., C.M. Demonstrator in Surgery. Royal Victoria Hospital. R. R. FITZGERALD, B.Sc., M.D., C.M. Demonstrator in Anatomy and Assistant Demonstrator in Surgery. 2019 Peel Street. H. M. ELDER, M.D., C.M. Demonstrator in Anatomy and Assistant Demonstrator in Surgery. Medical Arts Building. DUDLEY E. Ross, M.D., C.M. Demonstrator in Anatomy and Assistant Demonstrator in Surgery. 746 Sherbrooke St. W. P. G. SILVER, M.D., C.M. Demonstrator in Anatomy and Assistant Demonstrator 2019 Peel Street. in Surgery. J. N. PETERSEN, B.Sc., M.D., C.M. Demonstrator in Psychiatry. Medical Arts Building. G. E. HODGE, M.D., C.M. Demonstrator in Oto-Laryngology. Medical Arts Building. G. GAVIN MILLER, M.D., C.M. Demonstrator in Anatomy and Assistant Demonstrator in Surgery. 1390 Sherbrooke Street West. R. VANCE WARD, M.D., C.M. Demonstrator in Industrial Hygiene. 1060 Bernard St. West. E. H. CAYFORD, B.A., M.D., C.M. Medical Arts Building. Demonstrator in Anatomy. E. B. CHANDLER, M.D., C.M. Demonstrator in Anatomy and Surgery. Medical Arts Building. R. M. H. POWER, M.D., C.M. Demonstrator in Anatomy. 1610 Sherbrooke Street West. B. F. MACNAUGHTON, M.D., C.M. Assistant Demonstrator in Surgery. 1487 Bishop Street.

J. ROSENBAUM, M.D., C.M. Assistant Demonstrator in Ophthalmology. 1396 St. Catherine Street West. A. Bramley-Moore, B.A., M.D., C.M. Assistant Demonstrator in Ophthalmology. 1456 Mountain St. HAROLD F. H. EBERTS, B.A., M.D. Assistant Demonstrator in Medicine. 4098 Sherbrooke Street W. W. C. GOWDEY, M.D., C.M. Assistant Demonstrator in Medicine. 4492 Sherbrooke Street, Westmount. W. W. ALEXANDER, M.D., C.M. Assistant Demonstrator in Medicine. 334 Harvard Avenue. KEITH HUTCHISON, M.D., C.M. Assistant Demonstrator in Oto-Laryngology. Medical Arts Building. W. J. McNally, B.A., M.Sc., M.D., D.L.O., R.C.P. & S. (Eng.). Assistant Demonstrator in Oto-Laryngology. Medical Arts Building. J. E. TREMBLE, M.D., D.L.O.R.C. of P. and R.C. of S. (Eng.). Assistant Demonstrator in Oto-Laryngology. 1390 Sherbrooke St. West. S. O. McMurtry, B.A., M.D., C.M. Assistant Demonstrator in Ophthalmology. 1433 Stanley St. G. A. STUART RAMSEY, B.A., M.D., C.M. Assistant Demonstrator in Ophthalmology. 1496 Mountain St. H. N. SEGAL, M.D., C.M. Assistant Demonstrator in Medicine. Medical Arts Building. Howard Dawson, B.A., M.D. Assistant Demonstrator in Surgery. 746 Sherbrooke St. W. W. DE M. SCRIVER, B.A., M.D., C.M. Demonstrator in Pharmacology and Research Fellow, University Medical Clinic. Royal Victoria Hospital. A. E. LUNDON, M.D., C.M., D.P.H. Assistant Demonstrator in Oto-Laryngology. 1501 Crescent St. J. W. McRoberts, B.A., M.D., C.M. Assistant Demonstrator in Pathology. Pathological Institute. HUGH A. STUART, M.D., C.M. Assistant Demonstrator in Pathology. Pathological Institute. H. G. BEESON, M.D., C.M. Assistant Demonstrator in Pathology. Pathological Institute.

Assistant Demonstrator in Pathology. Montreal General Hospital.

Pathological Institute.

R. G. TOWNSEND, B.Sc., M.D., C.M.

Assistant Demonstrator in Pathology.

Assistant Demonstrator in Pathology. Montreal General Hospital.

C. J. Tidmarsh, M.A., M.D., C.M.

Assistant Demonstrator in Pharmacology and in Medicine.

MARK KAUFMANN, M.D., C.M.

Assistant Demonstrator in Surgery.

Medical Arts Building.

E. C. MENZIES, M.D., C.M.

Assistant Demonstrator in Psychiatry.

Protestant Hospital, Verdun.

FELLOWS

JESSIE BOYD SCRIVER, B.A., M.D., C.M.
Research Fellow, University Medical Clinic.

Royal Victoria Hospital.

J. S. Henry, M.D., C.M.

Hiram Vineberg Research Fellow in Gynacology.

Royal Victoria Hospital.

G. R. Brow, M.D., C.M.

Research Fellow, University Medical Clinic.

Royal Victoria Hospital.

P. J. Kearns, M.D., C.M.

Clara Law Fellow and Demonstrator in Obstetrics and

Gynæcology.

Pathological Institute.

R. L. Kutz, M.Sc. (Alberta).

Research Fellow in Biochemistry.

Biological Building.

J. S. L. Browne, B.A., B.Sc. (Med.), M.D., C.M.

Research Fellow in Biochemistry.

Biological Building.

HISTORICAL SUMMARY

(Faculty of Medicine)

1821-1927

- 1744 James McGill, born October 6th (Founder's Day). Died 1813.
- 1801-02 Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.
- Will by James McGill leaving landed estate and £10,000 to
 Royal Institution for Advancement of Learning for founding
 a University.
- 1818 Royal Institution for Advancement of Learning incorporated.

 Montreal General Hospital opened on original site on St.

 Lawrence Street.
- Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Corner-stone of new Montreal General Hospital laid.
- 1822-24 Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital At opening lecture at No. 20 St. James Street on October 28, 1824, there were four teachers and twenty-five students.
- 1829 Estate of James McGill surrendered by residuary legatee.
 First meeting of Governors at Burnside House. Montreal
 Medical Institution "engrafted upon" McGill University as
 its Medical Faculty. First session of Faculty of Medicine.
- 1831 Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.
- 1832 Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
- 1833 First University degree conferred in Medical Faculty upon W. Logie.
- 1836–37 Faculty removed to building next to present Bank of Montreal.
- 1840 Faculty removed to St. George Street.
- 1842 Arts Building erected on University grounds, where medical lectures were held 1845-51.
- 1852 Faculty removed to Côté Street.
- 1855 Sir William Dawson appointed Principal.
- 1860 Geo. W. Campbell appointed Dean, serving until 1882.
- 1872 First independent Medical Faculty building on University ground.

 Graduation of William Osler.

1882 Geo. W. Campbell Memorial Fund for Medical Faculty (\$50,000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, \$50,000). R. P. Howard appointed Dean. New laboratories erected in Medical Building (Lord Strath-1885 cona, \$100,000). 1889 Robert Cralk appointed Dean-George Ross, Vice-Dean. 1893 Sir William Peterson appointed Principal. Pathological Laboratory erected (John H. R. Molson, \$60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, \$100,000). Mrs. Mary Dow Endowment Fund presented to Medical Faculty (\$10,000). Royal Victoria Hospital opened (Lord Mount-Stephen and 1894 Lord Strathcona). 1898-01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, \$100,000.) Joseph Morley Drake Chair of Physiology founded (\$25,000). 1901 Thomas G. Roddick appointed Dean.

1906 Alexandra Hospital for Infectious Diseases opened.

Medical Building partly destroyed by fire. 1907

1908 F. J. Shepherd appointed Dean.

1909-11 New Medical Building (as at present) erected. (Lord Strathcona, \$450,000.)

1911 Robert Reford endowment of Department of Anatomy (\$100,000). Arthur A. Browne Memorial Fund for Research established (\$10,000). Dr. James Douglas research fellowship in Pathology founded (\$25,000).

1912 Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, \$14,000). James Cooper Endowment Fund established for Internal Medicine (\$60,000).

Graduates of the Faculty of Medicine subscribed \$12,566 to 1913 meet fire loss.

1914 H. S. Birkett appointed Dean. No. 3 (McGill) General Hospital organized for Overseas service. New Foundling Hospital opened.

Ross Memorial Pavilion opened by H.R.H. Duke of Con-1916 naught (J. K. L. Ross).

Geo. Ross Endowment Fund for Medical Faculty presented. 1917

1919 Sir William Macdonald bequeathed \$500,000 to Medical Faculty.

Faculty of Dentistry established. Osler Library (of the history of medicine and science) bequeathed to the Faculty of Medicine by Sir William Osler.

1920 Sir Arthur Currie appointed Principal.

Dr. J. W. Scane appointed Assistant Dean.

1921 Centenary Celebration.

Friends and Graduates of McGill donated \$4,000,000 to University.

Province of Quebec donated \$1,000,000 to University.

Rockefeller Foundation granted \$1,000,000 to Medical Faculty.

F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.

Geo. E. Armstrong appointed Dean.

New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.
C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave \$500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.

Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion.
Roddick Memorial Gates opened.

1926 Closing of old Montreal Maternity Hospital.

1927 Sub-department of Industrial Medicine formed, with Industrial Clinic at the Montreal General Hospital. (Grant of \$25,000 from Metropolitan Life Insurance Company.)

Inter-Hospital Commission formed for purposes of administration.

1929 Opening of new laboratory building for Experimental Surgery.

Rockefeller Foundation gave \$85,000 for research in Surgery.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with title of Secretary.

A. F. Holmes, 1854.
Geo. W. Campbell, 1860.
R. P. Howard, 1882.
Robert Craik, 1889.
George Ross (Vice-Dean), 1889.
Thomas G. Roddick, 1901.
Francis J. Shepherd, 1908.
Herbert S. Birkett, 1914.
F. G. Finley, 1921.
George E. Armstrong, 1922.
C. F. Martin, 1923.
(J. W. Scane, Assistant Dean, 1920-1922.).

REGISTRARS

John Stephenson, 1829.
Archibald Hall, 1842.
William Wright, 1864.
Robert Craik, 1869.
William Osler, 1877.
F. J. Shepherd, 1883 (Acting).
James Stewart, 1884.
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
J. W. Scane, 1903.

Registrarship abolished—1923

SECRETARIES

J. C. SIMPSON, 1923.

MEDICINE

Chair of Medicine (Founded 1824) WILLIAM CALDWELL, 1824. WILLIAM ROBERTSON, 1833. ANDREW F. HOLMES, 1842. R. P. HOWARD, 1860. GEORGE ROSS, 1889. JAMES STEWART, 1893. Chair of Clinical Medicine
(Founded 1845)

James Crawford, 1845 and 1852.

Robt. L. MacDonnell, 1849.

Stephen C. Sewell, 1850.

R. P. Howard, 1856.

Duncan C. MacCallum, 1860.

Joseph M. Drake, 1872.

George Ross, 1872.

Richard L. MacDonnell, 1889.

James Stewart, 1891.

Chair of Medicine and Clinical Medicine (Founded 1907)

(Chair of Medicine since 1923)
F. G. FINLEY, 1907-1924.
H. A. LAFLEUR, 1907-1919.
C. F. MARTIN, 1907.
J. C. MEAKINS, Professor and Director, 1924.
C. P. HOWARD, 1924.
W. F. HAMILTON, 1924.

SURGERY

Chair of Surgery (Founded 1824) JOHN STEPHENSON, 1824. G. W. CAMPBELL, 1835. GEO. E. FENWICK, 1875. T. G. RODDICK, 1890. Chair of Clinical Surgery
(Founded 1840)

JAMES CRAWFORD, 1845.

WILLIAM E. SCOTT, 1852.

DUNCAN C. MACCALLUM, 1856.

ROBERT CRAIK, 1860.

GEORGE E. FENWICK, 1867.

THOMAS G. RODDICK, 1876.

JAMES BELL, 1894.

Chair of Surgery and Clinical Surgery (Founded 1907)

(Chair of Surgery since 1923)
JAMES BELL, 1907-1911.
GEO. E. ARMSTRONG, 1907-1923.
J. A. HUTCHISON, 1913-1923.
E. W. ARCHIBALD, Professor and Director, 1923.
A. T. BAZIN, 1923.

OBSTETRICS AND GYNÆCOLOGY

Chair of Obstetrics
(Founded 1824)

WILLIAM ROBERTSON, 1824.
JOHN RACEY, 1833.
GEO. W. CAMPBELL, 1835.
MICHAEL MCCULLOGH, 1842.
ARCHIBALD HALL, 1854.
D. C. MACCALLUM, 1868.
ARTHUR A. BROWNE, 1883.
J. CHALMERS CAMERON, 1886.

Chair of Gynæcology (Founded 1883) WILLIAM GARDNER, 1883. W. W. CHIPMAN, 1910.

Chair of Obstetrics and Gynæcology
(Founded 1913)
W. W. Chipman, 1913.

ANATOMY

(Chair founded 1824)

JOHN STEPHENSON, 1824.
OLIVER T. BRUNEAU, 1842.
WILLIAM E. SCOTT, 1856.
FRANCIS J. SHEPHERD, 1883.
A. C. GEDDES, 1913.
S. E. WHITNALL, 1919.

CHEMISTRY

Chair of Chemistry
(Founded 1824)

Andrew F. Holmes, 1824. Archibald Hall, 1842. William Sutherland, 1849. Robert Craik, 1867. Gilbert P. Girdwood, 1879. R. F. Ruttan, 1902.

Chair of Practical Chemistry
(Founded 1872)

GILBERT P. GIRDWOOD, 1872., R. F. RUTTAN, 1894. Chair of Bio-Chemistry

A. B. MACALLUM, 1920. J. B. COLLIP, 1928.

INSTITUTES OF MEDICINE

(Founded 1824 and included the Department of Physiology, Histology and Pathology)

> John Stephenson, 1824. Stephen C. Sewell, 1842. Robert L. MacDonnell, 1845. William Fraser, 1849. Joseph M. Drake, 1868. William Osler, 1874.

PHYSIOLOGY

(Founded 1824—endowed 1897)

WESLEY MILLS, 1886.
N. H. ALCOCK, 1911.
G. R. MINES, 1914.
JOHN TAIT, 1919.
BORIS P. BABKIN, 1928.

PATHOLOGY

(Founded 1892—endowed 1893) J. Geo. Adami, 1892. H. Oertel, 1919.

PHARMACOLOGY

Chair of Pharmacology and Therapeutics (Founded 1824)

Andrew F. Holmes, 1824. Archibald Hall, 1835. Stephen C. Sewell, 1842. A. Hall, 1849. William Wright, 1854. James Stewart, 1883. A. D. Blackader, 1891.

Chair of Pharmacology

H. G. BARBOUR, 1921. R. L. STEHLE, 1924.

BOTANY

(Chair founded 1829)

Andrew F. Holmes, 1829.
Dr. Papineau, 1845.
J. W. Dawson, 1855-56 and 1858-83.
James Barnston, 1857-58.
D. P. Penhallow, 1883.
F. E. Lloyd, 1912.

MEDICAL JURISPRUDENCE

(Chair founded 1845)

WILLIAM FRASER, 1845.
FRANCIS BADGLEY, 1849.
FRANCIS C. T. ARNOLDI, 1850.
WILLIAM E. SCOTT, 1851.
WILLIAM WRIGHT, 1852.
R. PALMER HOWARD, 1854.
DUNCAN C. MACCALLUM, 1860.
GEORGE E. FENWICK, 1867.
WILLIAM GARDNER, 1875.
GEORGE WILKINS, 1883.
D. D. MACTAGGART, 1911-1929.

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871-endowed 1893)

GEORGE ROSS, 1871.
THOMAS G. RODDICK, 1873.
ROBERT T. GOFFREY, 1875.
WILLIAM GARDNER, 1879.
R. L. MACDONNELL, 1886.
ROBERT CRAIK, 1889.
WYATT JOHNSTON, 1902.
T. A. STARKEY, 1902.

A. G. FLEMING, Professor and Director of the Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology (Founded 1883)

FRANK BULLER, 1883.

Chair of Laryngology (Founded 1893)

G. W. Major, 1893.H. S. Birkett, 1895.

Chair of Oto-Laryngology H. S. Birkett, 1895.

Chair of Ophthalmology
J. W. Stirling, 1906.
W. G. Byers, 1923.

CHAIR OF ZOOLOGY E. W. MacBride, 1902. ARTHUR WILLEY, 1910.

CHAIR OF HISTORY OF MEDICINE
ANDREW MACPHAIL, 1907.

FACULTY OF MEDICINE

The ninety-seventh session of the Faculty will open on September 18th, 1929.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization.

Candidates without a degree should have at least three years of college work. In exceptional cases applications may be received from students who have completed two years of work in a recognized college or faculty of Arts, provided they present certificates that they have scholastic standing placing them in the first third of their class.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfill the requirements and reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

Physics—One year of general college Physics with laboratory work.

Biology—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

Chemistry-Two years:-

- (a) One full year of General Chemistry with laboratory work.
- (b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong. (For further particulars see "Requirements for Licence to Practice," p. 40.)

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

If the application be accepted the candidate will be expected to pledge himself to enter the Faculty of Medicine in September, otherwise his place will be given to another.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1929-30 on September 11th to September 17th, 1929. Those who register after September 18th will be required to pay a fee of \$5.00 if they do so during the first week of the session and \$10.00 if during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination. Students of the Second Year, as well as those of all Years who wish to engage in athletic activities, are also required to be physically examined. The hours for this examination will be announced at registration.

Students who do not present themselves for the medical examinations (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University. Re-examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulation regarding medical examination.

Suspension from lectures for any cause, or absence from more than one-eighth of the total number of lectures given in any course, as shown by the monthly reports furnished to the Dean of each Faculty by the several professors and lecturers, shall be considered as sufficient ground to disqualify a student from engaging in athletic contests.

During the session and including the Christmas holidays, all teams and individual students desiring to participate in "outside"* athletics must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletic Manager, by whom all such sanctions are granted.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participation in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

Provision is made by the Department for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only, and then only when requisitioned for by the Department. A leaflet concerning this service and the general work of the Department, together with the regulations governing athletics, will be distributed at the opening of the session.

^{*} Outside athletics is interpreted to mean the athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

FEES

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 26th and 27th. They may be paid by cheque, which should be mailed so as to reach the Bursar by the date named.

Fees will also be accepted before September 18th.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

After September 30th or February 1st (in the case of those who pay by instalments) an additional fee of \$2.00 will be exacted of all students in default.

- 2. Immediately after October 10th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Dean of the Faculty a list of the registered students who have not paid their fees, on receipt of which he shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.
- 3. Students registering after September 30th shall pay their fees at the time of registration, failing which they become liable for the additional fee of \$2.00 exacted of students in default.

The sum of \$10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made, and a refund is granted at the close of the session.

- 5. Partial students will be admitted to one or more courses on payment of special fees and a fee of \$3.00 for athletics.
- 6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc.

- 7. Students taking out extra dissecting material will be charged at the rate of \$10.00 for a half session and \$20.00 for a whole session.
- 8. An *ad eundem* fee of \$10.00 is charged students entering from another university in any Year above the First.
- 9. When the degree of Doctor of Medicine and Master of Surgery is conferred in absentia, a fee of twenty dollars will be charged, unless the candidate has been specially exempted by the Faculty.
- 10. The fee for the graduate course in Public Health, including laboratory fee, the fee for outdoor work and the diploma fee, is \$100.00.

SUMMARY OF FEES

Sessional fee		\$250.00*
By instalments:		
First instalment, if paid before September 27th	\$127.50†	
Second instalment, if paid before February 5th	127.50†	
Microscope, first instalment (on deferred payment		
plan)	32.00	32.00
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc.	17.00	17.00
	\$314.00	\$309.00

MICROSCOPES

Each student is required to provide himself, on beginning his studies, with a first-class miscroscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microsope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of \$105.00 or on the deferred payment plan, by which payment is spread over five years, as follows:—First year, \$32.00; second year, \$25.00; third year, \$22.00; fourth year, \$20.00; fifth year, \$16.00.

^{*} For students who entered the Faculty prior to the session 1926-27 this fee will be \$205.00.

[†] For students who entered prior to 1926-27, \$105.00.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 772 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

Information about boarding and lodging houses may be had on application to the Secretary at Strathcona Hall. A list of suitable houses is prepared about a fortnight before the opening of the session each year. Owing to frequency of change, this list is not mailed.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of from \$60.00 and upwards per month; or, separately, board at \$45.00 to \$55.00 per month, rooms from \$15.00 to \$20.00 per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served à la carte.

2. APPROXIMATE ESTIMATE OF COST OF COURSE

Tuition Fees	Minimum \$250.00	Moderate \$250.00*
Fee for Athletics, Union, etc	17.00	17.00
Board and Lodging	480.00	560.00
Books, Instruments, etc	153.00	173.00
	\$900.00	\$1,000.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of \$10.00 which is made by each student at the commencement of the session. Students are advised also to reckon on at least \$20.00 to \$25.00 per annum for subscriptions of various kinds.

^{*} For students who entered the Faculty prior to 1926-27, this fee will be \$205.00.

COURSE FOR THE M.D. DEGREE AND EXAMINATIONS

A. THE MEDICAL COURSE

Each session is divided into three terms of ten weeks, and the course will be completed in fifteen terms—or, if the student so desires, he may proceed more slowly prior to taking the examinations for his degree.

The curriculum is so arranged as to permit of a student taking additional or advanced work in certain terms, while in the hospital year much more latitude will be afforded for independent study.

The tenth, eleventh and twelfth terms are arranged on a rotary system.

B. EXAMINATIONS

- 1. Class Examinations, oral or written, are held during the session to test the progress of the student. If the standing obtained by any student in these examinations is unsatisfactory, he shall not be permitted to take the final examination.
- 2. Final or University Examinations are the ultimate test in determining a student's fitness for promotion or graduation. They are held at the end of the Winter and Spring Terms and during the fortnight preceding the opening of the Autumn Term in September.

The Final or University Examinations include the following subjects arranged in three divisions:—

First:			
1.	Anatomy	3	terms
2.	Histology		"
3.	Bacteriology		
4.	Physiology	3	terms
5.	Biochemistry	2	"
Second:-			
6.	Pharmacology	1	term
	Pathology and Medical Jurisprudence		
Third:			
8.	Public Health and Preventive Medi-		
0.	cine	2	terms
9.	Obstetrics and Gynæcology		"
10.	Surgery (including Urology and Or-		
huming		6	66
11.	Medicine (including Pediatrics, Neu-		
we offer will	rology, Psychiatry, Dermatology		
	and Laboratory Diagnosis)	7	66

In order to qualify for these examinations, a candidate must have attended a course or courses of study extending over at least the number of terms specified in each case.

3. Re-examination:—A student who has failed in the Final Examination in any subject may apply for re-examination at the next examination period. Applications must be in the hands of the Secretary at least one week before the date set for the beginning of the examinations, and the applicant must at the same time pay to the Bursar a fee of \$5.00 for each subject.

C. GRADING

At the conclusion of each course students will be graded in five groups, as follows:—

A = Honours

B = Good

C = Fair

D = Doubtful

E = Failure.

In reporting the grading, the names of those students who attain honour standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final and Class Examinations, but the instructor will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

D. PROMOTION

As noted in section A, the Final or University Examinations are arranged in three divisions. Whilst a certain latitude is permitted as to the time at which these examinations are passed, the following rules will be rigidly enjoined:—

- 1. First Division.—A student must pass the examinations in all subjects of the First Division before he will be permitted to begin the work of the seventh term.
- 2. Second Division.—The examinations in Pharmacology and General Pathology must be passed before a student will be permitted to proceed to the work of the tenth term. The examination in Special Pathology must be passed before the student may proceed to the work of the thirteenth term.

3. Third Division.—A candidate may pass the Final Examinations in Public Health separately from the examinations in the other subjects of the Third Division, but not earlier than the end of the twelfth term.

To qualify for the Final Examinations in Medicine, Surgery and Obstetrics, a candidate must have:—

- (a) Attended courses extending over a period of not less than fifteen terms.
- (b) Satisfactorily completed the prescribed courses of study and practice in:
 - i. Ophthalmology,
 - ii. Oto-laryngology,
 - iii. Abnormal Psychology and Psychiatry,
 - iv. Infectious Diseases,
- v. Anæsthesia,
- vi. Post-mortem Examinations,

and such other courses as the Faculty may from time to time determine. The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

- 4. The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.
- 5. At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C. and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or retired from the Faculty.

MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

MEDALS

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., LL.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Bio-chemistry, together with a creditable examination in the primary branches.

The Lieutenant Governor's Silver Medal, to be awarded to the student who obtains the highest marks in General Medicine at the end of the Fifth Year.

The Lieutenant Governor's Bronze Medal, to be awarded to the student who obtains the highest standing in the Final Examination in Physiology.

PRIZES

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final Examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Biochemistry and Bacteriology).

The F. Slater Jackson Prize. An annual prize of \$50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

The Alexander D. Stewart Prize. An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

FELLOWSHIPS

The A. A. Browne Memorial Fellowship. The sum of \$10,000 was received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of \$25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in pathology, given by the late Dr. James Douglas, open to McGill graduates only, tenable for six years and of the value of \$1,250 for the first year, increasing to \$2,500.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of \$60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately \$600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a permanent fellowship in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company.

The John W. Flinn Research Fellowship.—In 1921 Dr. John W. Flinn, of Prescott, Arizona, gave the sum of \$5,000, to be paid in five equal annual instalments of \$1,000, this sum to be used for the assistance of medical research in tuberculosis.

The Hiram N. Vineberg Fellowship in Gynæcology, of the value of \$250.00 per annum, donated in 1924 by Dr. Hiram N. Vineberg, of New York, a graduate of McGill University, 1878.

The J. W. McConnell Scholarship.—The sum of \$1,000.00 was donated to the Department of Surgery for purposes of research for the year 1925-26. This was renewed each year since and in 1928 was increased in value to \$1,500. It will be again available for the session 1929-30.

The Clara Law Fellowship, founded in 1927 by Mrs. J. R. Fraser for the furtherance of research in the laboratory of the Department of Obstetrics and Gynæcology, is of the value of \$1,200 per annum.

The P. P. Cowans Scholarship of \$1,000.00 was presented to the Department of Surgery and Physiology for purposes of investigation in these subjects during the year 1925-26. It was renewed each year since and will be again available in 1929-30.

The Walter J. Hoare Memorial Scholarship.—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

Six scholarships for Canadian students, four donated in 1927, by Mrs. R. MacDougall Paterson, Mrs. Charles Meredith, Mrs. C. F. Martin and Louis Colwell, Esq., and two in 1928 by C. W. Lindsay, Esq., and A. B. Purvis, Esq. These scholarships are valued at \$400.00 each per annum, and extend over the five years of the course. The conditions pertaining to these scholarships may be had on application to the Dean or Secretary of the Faculty of Medicine.

The Dr. J. Francis Williams Scholarship of \$500.00, founded by the late J. Francis Williams, M.D., to be awarded to the student of the Final Year who obtains the highest standing in Medicine and Clinical Medicine.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
- 3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the five years of the Medical course.
- 5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
- 6. He must also have attended during one full session the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anæthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENSE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained. In order that disappointment and loss of time may be avoided, the University requires students to register with the licensing body of their home province or state before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC.—Dr. J. Gauvreau, 506 St. Catherine Street E., Montreal.

Ontario.—Dr. H. Wilberforce Aikens, 170 University Avenue, Toronto, Ont.

New Brunswick.—Dr. S. H. McDonald, 56 Colborne Street, Saint John, N.B.

Nova Scotia.—Dr. W. H. Hattie, Halifax, N.S.

PRINCE EDWARD ISLAND .- Dr. S. R. Jenkins, Charlottetown, P.E.I.

Manitoba.—Dr. J. E. Coulter, 604 Boyd Bldg., Winnipeg, Man.

Alberta.—Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN.-Dr. A. MacG. Young, Saskatoon, Sask.

British Columbia.—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. R. W. Powell, 180 Cooper Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in the final subjects.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1. England.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.

ASSISTANT PROFESSOR:—J. BEATTIE.

LECTURER:—H. E. MACDERMOT.

SENIOR DEMONSTRATOR:—D. S. FORSTER.

G. C. Anderson; E. H. Cayford; E. B. Chandler; H. M. Elder;

R. R. FITZGERALD; G. A. FLEET;

DEMONSTRATORS:- G. D. LITTLE; R. BRUCE MALCOLM;

G. G. MILLER; R. M. H. POWER; A. Ross;

D. E. Ross; W. W. Ruddick;

P. G. SILVER; A. STEWART.

The required courses in Anatomy, Histology and Embryology are given in the first three terms of the Medical Course. In subsequent terms opportunity is afforded for a complete revision in Anatomy, together with optional courses of advanced work, both gross and microscopic.

REQUIRED COURSES

1. Lecture Course in Gross Anatomy.

Reference books:--Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology."

Recommended for Collateral Reading:-Keith's "Menders of the Maimed"; Hilton's "Rest and Pain."

2. Laboratory Course in Gross Anatomy.

Fifteen hours weekly during the Autumn and Winter Terms, and fourteen hours weekly during the Spring Term.

Professor Whitnall and Staff.

Practical Manual:-Walmsley.

3. Tutorials: Devoted mainly to the study of osteology and surface anatomy.

One hour weekly throughout the session.

Drs. MacDermot and Forster. Text-books:—Gray's "Anatomy"; Thompson's "Surface Anatomy."

4. Discussions: Informal class discussions upon problems and difficulties.

One hour a week throughout the session..........Dr. Beattie.

5. Revision Course: An optional laboratory course covering the whole body.

Three hours weekly throughout the session for students who have completed the required work.....Professor Whitnall and Staff.

6. Elective Work: Advanced or special work by arrangement. Six hours weekly during the Spring Term.

Professor Whitnall and Staff.

7. Ophthalmological Anatomy: Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology.

By arrangement. Details on application....Professor Whitnall.

- 8. Oto-laryngological Anatomy: A similar course.

 By arrangement. Details on application.....Professor Whitnall.
- Neurology: A series of colloquia on recent work on the Nervous System.

By arrangementDr. Beattie.

11. Comparative Anatomy of the Primates: Offered for students taking the Honours Course in the Biological Sciences. The course is based upon and continues the work of general comparative anatomy and leads on to the study of human anatomy.

HISTOLOGY AND EMBRYOLOGY

PROFESSOR: - J. C. SIMPSON.

Lecturers in Histology:—

D. J. Bowie.
W. M. Fisk.
C. T. Crowdy.

DEMONSTRATOR: -G. C. ANDERSON.

REQUIRED COURSES

- Histology and Embryology—Lecture Course.
 Three hours weekly during the Autumn and Winter Terms.
 Professor Simpson and Dr. Fisk.
 Text-books:—Jordan, Bailey.
- 2. Histology and Embryology—Laboratory Work.

 Seven hours weekly during the Autumn and Winter Terms.
- Organogenesis: The development of the organs and systems of the human body.
 One hour a week throughout the Session.....Professor Simpson.
 Reference books:—Jordan; Arey; Keith.

OPTIONS

4. Special Histology and Embryology.

Laboratory course open to students who have completed Courses 1 and 2.

Three hours weekly (Saturday mornings) throughout the Session.

5. Optional Work: Advanced work, including microscopical technique.

Six hours a week during the Spring Term. By arrangement.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT.

RESEARCH PROFESSOR:—BORIS P. BABKIN.

ASSISTANT PROFESSOR:—N. GIBLIN.

DEMONSTRATOR:—W. H. FINNEY.

RESEARCH FELLOW:—————.

In this department special provision is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate purposes other special courses are given.

REQUIRED COURSES

- 1. Introductory Course—Lectures and Demonstrations.

 In this course, which is comprehensive rather than detailed, the general principles of the subject are dealt with.

 Five hours a week during the Spring Term.
- 2. Intermediate Course—Lectures, Demonstrations and Laboratory.

Three lectures, one demonstration and six hours laboratory work a week. Autumn Term.

The more detailed description of the nervous system and sense organs forms a part of this course. The accompanying laboratory course consists of experiments on surviving parts of the frog and on the human subject.

Text-books:-Howell, Macleod, Starling, Stewart.

3. Senior Course. Lectures, Demonstrations and Mammalian Laboratory.

During these lectures the survey of the subject for undergraduate medical purposes is completed. The laboratory work accompanying the course involves a more advanced operative and instrumental technique.

Three lectures, one demonstration and six hours of laboratory work. Winter Term.

Text-book:—Sharpey-Schafer, "Experimental Physiology."

Laboratory Text-book:—Sherrington, "Mammalian Physiology."

- 4. Lectures on Autonomic Nervous Systems. . Professor Babkin
- 5. Lectures on Selected Advanced Topics..... Professor Giblin
- 6. Lectures on Structure and Function...... Professor Tait
- 7. Advanced Laboratory.
- 8. Physiological Colloquium.

PSYCHOLOGY

Professor of Abnormal Psychology:—J. W. Bridges.

Assistant Professor of Abnormal Psychology:

K. M. Banham Bridges.

REQUIRED COURSE

 Normal and Abnormal Psychology. Psychophysiological standpoint, the relation of abnormal to normal mental life and behaviour, the mechanism of behaviour and the physical basis of consciousness, theories of the unconscious, the motivation of behaviour, association and dissociation; imitation, suggestion, instinct, habit, emotion, memory, intelligence, character, temperament, and their abnormalities.

Two lectures a week. Seventh and Eighth Terms.

Professor J. W. Bridges.

OPTIONAL COURSES

These are one term courses open to students in the Fourth and Fifth Years and to graduates.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR:—J. B. COLLIP.

ASSOCIATE PROFESSOR:—S. W. BLISS.

LECTURE:—D. L. THOMSON.

Lecturers on Pathological Chemistry:—

E. H. Mason.

I. M. Rabinowitch.

RESEARCH FELLOWS: - R. L. KUTZ.
J. S. L. BROWNE.

1. Biochemistry-Lecture Course.

During the first half of the course the lectures will deal with the chemical constitution, the physical and other characters and the relationships of the products of the activities of living matter, carbohydrates, fats, proteins, urea, purins, etc., and in the second half will involve an extensive discussion of (a) the origin, character and the active properties of the various ferments of the digestive tract; (b) the chemical and physical processes involved in, and the products resulting from, the digestion, absorption and assimilation of the foodstuffs in the human body; (c) the intermediate and ultimate products of metabolism, and (d) the chemistry of the tissues and of blood, bile and urine.

Four hours a week during the Autumn and Winter Terms.

2. Biochemistry-Laboratory Course.

The exercises will deal with the practical side of the subjects treated in the lecture course, such as the digestion of starch, fats, and proteins, the absorption and assimilation of fats, the metabolism of the carbohydrates absorbed, and of the products of protein digestion. Especial attention will be given to the methods of the qualitative and quantitative determination of the more important metabolites, such as urea, uric acid, creatine, creatinine, etc.

Twelve hours per week during the Autumn and Winter Terms.

Towards the close of Courses 1 and 2 in the second term, special attention will be given to pathological chemistry, which will involve a course of about twenty lectures and about fifty hours of practical work on metabolism in disease.

In addition to the written and practical examination exacted of each student in this course, oral examinations will be held and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Biochemistry for the year.

Text-books:—Cameron, "A Text-book of Biochemistry"; Folin, "Laboratory Manual of Biological Chemistry"; Lusk, "Science of Nutrition."

Reference books:—Robertson, "Principles of Biochemistry"; Bayliss, "Principles of General Physiology"; Plimmer, "Practical Organic and Bio-Chemistry"; Mathews, "Physiological Chemistry," Bodansky. "Introduction to Physiological Chemistry"; Hawk, "Practical Physiological Chemistry"; Pryde, "Recent Advances in Biochemistry"; Lovatt-Evans; "Recent Advances in Physiology"; Macleod, "Physiology and Biochemistry in Medicine"; Burns, "An Introduction to Biophysics."

PATHOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL.
ASSOCIATE PROFESSOR:—L. J. RHEA.
ASSISTANT PROFESSOR OF PATHOLOGY:—T. R. WAUGH.
LECTURER AND DOUGLAS FELLOW IN PATHOLOGY:—W. H. CHASE.
LECTURER IN NEUROPATHOLOGY:—A. W. YOUNG.

Assistant Demonstrators:—

[J. W. McRoberts; Hugh A. Stuart; H. G. Beeson; R. G. Townsend.

Curator of Museums:—E. L. Judah.

REQUIRED COURSES

- Laboratory Course in General Pathological Anatomy and Histology.
 Six hours weekly—Winter and Spring Terms.
 Pathological Institute......Professor Oertel and Demonstrators.
- Special Pathology of the Circulatory, Respiratory, Digestive and Renal Systems.
 One lecture a week—Autumn, Winter and Spring Terms.

Professor Oertel.

4. Laboratory Course in Special Pathological Anatomy and Histology.

One hour a week—Autumn, Winter and Spring Terms.

Pathological Institute......Professor Waugh and Demonstrators.

5.	Diseases of the Blood-forming Organs. One lecture a week—Autumn TermProfessor Waugh.
6.	Pathological Anatomy of the More Important Ductless Glands. One lecture a week—Winter Term
7.	Pathological Anatomy of the Nervous System. One lecture a week—Spring TermDr. Young.
8.	Practical Course of Pathologico-Anatomical Methods and Diagnosis. Once a week—Autumn, Winter and Spring Terms. Pathological Institute
9.	Performance of Autopsies—Group instruction. Autumn, Winter and Spring Terms. Pathological InstituteDr. Chase and Demonstrators. Montreal General HospitalProfessor Rhea and Demonstrators.
10.	Gross and Microscopic Demonstrations and Discussions of specimens Removed at Surgical Operations. Once a week—Autumn, Winter and Spring Terms. Pathological Institute
11.	Clinico-Pathological Conferences. On cases from the medical service of the Royal Victoria Hospital. Once a week—Autumn, Winter and Spring Terms. Pathological InstituteMedical and Pathological Staffs.
12.	Clinico-Pathological Conferences. On cases from the various medical and surgical services of the Montreal General Hospital. Laboratories of the Montreal General Hospital. Pathological and Hospital Staffs.
"Sp	Reference books:—Oertel, "Outlines of Pathology"; Virchow, illular Pathology"; Cohnheim, "Lectures on Pathology"; Ziegler, ecielle Pathologie"; Delafield and Prudden, "Text-book of Pathology."

For advanced courses leading to higher academic degrees or options see the Announcement of the Faculty of Graduate Studies and Research.

BACTERIOLOGY

Professor:—F. C. Harrison.

Assistant Professor:—A. A. Bruère.

Lecturer:—W. W. Beattie.

REQUIRED COURSES

- General Course: Lectures and laboratory.
 Spring Term. First Year.
 Pathological Institute.......Professor Harrison and Assistants.
- 2. Special Course.

Third Year.

Pathological Institute.

Professor Bruère, Dr. Beattie and Demonstrators.
For advanced courses leading to higher academic degrees or options see the Announcement of the Faculty of Graduate Studies and Research.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

PRCFESSOR AND DIRECTOR:—A. GRANT FLEMING. STRATHCONA PROFESSOR OF HYGIENE:—T. A. STARKEY.

Assistant Professors: - R. St. J. Macdonald. F. B. Jones.

Assistant Professor of Mental Hygiene:—W. T. B. Mitchell.
Assistant Professor of Industrial Hygiene:—F. G. Pedley.
Demonstrator in Industrial Hygiene:—R. Vance Wood.

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

In order that the importance of Public Health and Preventive Medicine may be kept before the student, short courses are given in the First and Second Years. These courses are of an introductory nature and, from a historical background, develop the needs and opportunities for preventive medicine and its relation to society.

The main course is given in the Third Year, with the exception of the communicable diseases, which come in the Fourth Year.

The Department aims to correlate the teaching of the preventive aspects of medicine with that which is dealt with by other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the programme of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The course includes introductory lectures in the First and Second Years, in an attempt to give the student more complete insight into his own behaviour responses and an objective attitude to the behaviour responses of others. This introductory course is followed up by the formal mental hygiene presentation, covering ten hours, in the Third Year.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post so frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

In the Third Year, visits of inspection are made to plants selected to illustrate the general principles of water purification, the modern dairy plant, including pasteurization and industrial hygiene.

A brief course in Applied Public Health Bacteriology is given to familiarize the student with the facilities available, the method of taking specimens, the methods of examination and the interpretation of laboratory reports on water, milk, sputum, nose and throat swabs.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the Fifth Year. This study requires some individual field work by each student.

An optional practical course, more advanced than the above regular course, is open to students wishing to go more fully into the subject.

The laboratory is provided with all apparatus needed in every branch of public health work.

Text-books and Reference Books:-

The General Field:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White. School Hygiene:—The Fundamentals of School Health, Kerr.

PHARMACOLOGY

PROFESSOR:—R. L. STEHLE.

Assistant Professor of Therapeutics:—D. S. Lewis.
Assistant Professor of Pharmacology:—N. B. Dreyer.
Lecturer in Anæsthesia:—Wesley Bourne.
Lecturer in Therapeutics:—D. Grant Campbell.

LECTURERS IN PHYSIO-THERAPY: - { F. W. HARVEY. NORMAN BROWN.

Demonstrator in Pharmacology:—W. de M. Scriver.
Assistant Demonstrator:—C. J. Tidmarsh.

REQUIRED COURSES

Second Year

1. Pharmacology.—The action of drugs is considered in as exact a fashion as possible from information derived by means of experimental methods and careful clinical observation. A serious attempt is made to familiarize the student with the chemistry of the drugs studied in so far as it is known.

Three lectures a week during the Spring Term, supplemented by one conference and one demonstration a week.

Drs. Stehle and Dreyer.

 Pharmacological Laboratory.—The experiments are chosen to illustrate the lectures of the preceding course.
 Two periods (six hours) a week during the Spring Term.

Drs. Stehle, Dreyer and Staff.

Third Year

3. Therapeutics.—The principles of therapeutics and the application of drugs in internal medicine, surgery, and the specialties are covered.

Two lectures a week during the Autumn Term and one per week during the Winter Term Dr. Lewis.

4. Pharmacy and Prescription Writing.

Five lectures and five laboratory periods during the Winter Term.

Drs. Scriver and Dreyer.

5. Physio-therapy.

Three lectures and three periods of group instruction during the Winter Term Drs. Lewis, Brown and Harvey.

6. Clinical Therapeutics.—One ward class per week for one term in conjunction with the Department of Medicine.

Drs. Lewis and Campbell.

Fifth Year

OPTIONS

Suitably prepared persons may undertake research at any time. Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

Text-books in Pharmacology:—Cushny, Sollmann, Poulsson, Meyer and Gottlieb.

MEDICINE

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:-JONATHAN C. MEAKINS.

Professors:—

Campbell Palmer Howard.

W. F. Hamilton,

C. F. Martin.

ASSOCIATE PROFESSOR:—A. H. GORDON.

ASSISTANT PROFESSOR OF MEDICAL RESEARCH:-MAUDE E. ABBOTT.

Assistant Professors:—

E. H. Mason.
C. A. Peters.
I. M. Rabinowitch.

Lecturers:—

J. G. Browne, D. G. Campbell, J. Kaufmann,
D. S. Lewis, A. H. MacCordick,
C. F. Moffatt, C. F. Wylde.

LECTURER (TUBERCULOSIS):-J. R. BYERS.

LECTURER IN MEDICAL RESEARCH (BIOCHEMISTRY):-C. N. H. LONG.

C. C. Birchard, C. R. Bourne,
Keith Gordon, R. H. M. Hardisty,
A. T. Henderson, C. R. Joyce,
D. C. MacCallum, H. E. MacDermot,
J. F. MacIver, D. W. McKechnie,
J. L. D. Mason, D. L. Mendel,
Lorne Montgomery, E. V. Murphy,
E. E. Robbins, Colin Sutherland,
J. J. Walker, J. C. Wickham, E. S. Mills.

Assistant Demonstrators:—

{ W. W. Alexander, H. F. Eberts, W. C. Gowdey, H. N. Segall, C. J. Tidmarsh.

RESEARCH FELLOWS: - { JESSIE BOYD SCRIVER, W. DE M. SCRIVER, G. R. BROW.

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and bio-chemistry with clinical medicine is emphasized—not only in the pre-clinical years but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

Students must have followed up at least ten cases from their inception to a conclusion and be certified therefor.

REQUIRED COURSES

Sixth to Ninth Terms (2nd and 3rd years).

1. A course of lectures on the general principles of medicine, emphasizing and correlating the study of Anatomy, Physiology and Biochemistry in the signs and symptoms of disease.

Three hours a week-Spring, Autumn and Winter Terms.

Professors Meakins, Rabinowitch and Mason.

- 2. A course of clinical lectures twice weekly is given to demonstrate the application of the principles, as set forth in the course of lectures mentioned above.
 - Professors Meakins, Rabinowitch and Mason.
- 3. A course of practical instruction on physical examination and physical diagnosis. This course is given in the Wards and Out-patient Department of the Royal Victoria Hospital.

Professor Meakins and Assistants.

4. During the eighth and ninth terms, a limited number of cases are allotted to each student in the wards for introductory instruction in case-reporting and general examination of patients. This is supplemented by bedside clinics.

5. A course in clinical microscopy of forty periods is given in the laboratories of the Pathological Institute.

Four hours a week-Autumn and Winter Terms.

Dr. Kaufmann and Assistants. Text and Reference books:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease"; Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; Krehl, "Basis of Clinical Symptoms."

Tenth, Eleventh and Twelfth Terms (4th Year).

- 6. A course of lectures throughout the session on the "Principles and Practice of Medicine," with collateral reading assigned on various topics.

 Professor J. C. Meakins and Assistants.
- 7. A course of theatre clinics at the Montreal General Hospital at which cases of unusual interest are presented.

Professor Gordon and Staff.

- 8. A course of bedside clinics to small groups at the Montreal General Hospital.

 Professor Gordon and Assistants.
- 9. A course at the Out-patient Department of Medicine and Pediatrics of the Montreal General Hospital, in small groups, where the student will act as a clinical clerk, taking routine histories, making a complete physical examination and performing some of the simpler laboratory tests. At the end of each period the interesting cases will be presented to the entire group by the physician in charge.
- 10. A course of clinical-pathological conferences for the entire class will be held once a week at the Pathological Laboratory of the Montreal General Hospital.

Professors Rhea, Howard, Gordon and Assistants.

11. Cases in the Medical Wards of the Montreal General Hospital are assigned to each member of the class for reporting. It is obligatory that each student shall present satisfactory case reports on at least ten patients during this course.

Text and Reference books:—Osler's "Practice of Medicine"; Taylor's "Practice of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Dieulafoy, "The Text-book of Medicine"; Strumpell, "Text-book of Medicine for Students and Practitioners"; McKenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Twelfth-Fifteenth Terms (5th Year).

Hospital year. Each student becomes virtually a member of the externe staff.

He is allotted in turn to various services of the hospital in the capacity of clinical clerk, participating in the keeping of records, the diagnosis and treatment of patients in wards and out-patient departments and in the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Regular theatre clinics are given only in the major subjects.

With the present limitation of students it becomes possible to give the student a closer familiarity than hitherto with practical scientific medicine and its allied subjects of neurology, psychiatry and pediatrics.

Pediatrics

CLINICAL PROFESSOR:—H. B. CUSHING.

Instruction is given in all the clinical years. Emphasis is laid on the relation of pediatrics to public health and community problems in medicine.

Seventh to Ninth Terms (3rd Year).

1. A series of clinical demonstrations to groups of students on the methods of physical examination of infants and children at the Royal Victoria Hospital, extending over a period of two weeks.

Professor Cushing and Assistants.

2. A series of demonstrations to groups of students on the manifestations of disease in children.

Winter and Spring Terms.

Royal Victoria Hospital......Professor Cushing and Assistants.

3. During the Autumn and Winter terms of this year, a limited number of cases are allotted to each student in the Pediatric Ward for introductory instruction in case-reporting and general examination of patients.

Tenth to Twelfth Terms (4th Year).

4. A course of lectures dealing with the peculiarities and development of children, the principles and theory of infant-feeding, the diseases peculiar to children and the differences in the manifestation and treatment of ordinary diseases of adults and children.

Thirty lectures.

Medical Building......Professor Cushing and Assistants.

5. A series of clinics throughout the year, illustrating the lectures and demonstrating the ordinary diseases of childhood.

Children's Memorial Hospital....Doctors Lindsay and Goldbloom.

6. A series of demonstrations to groups, in Out-patient Department and Children's Ward, on the examination, diagnosis and treatment of sick children.

Montreal General Hospital.......Dr. Chandler and Assistants.

7. A series of demonstrations to groups of students each week on the ordinary acute infectious diseases.

Alexandra Hospital.

Professor Cushing, Doctors D. Grant Campbell and E. V. Murphy.

Thirteenth to Fifteenth Terms (5th Year).

- 8. Students act as assistants to the internes, report cases, attend ward rounds and Out-patient pediatric clinics in the various hospitals, supervised by the attending staffs of the hospitals.
- 9. A series of practical clinics to groups of students on infant feeding and the care and development of young infants.

Montreal Foundling Hospital.

Doctors Lindsay, Goldbloom and H. P. Wright.

10. A series of theatre clinics on the principal diseases of infancy and childhood.

11. A series of clinics to groups on the acute infectious diseases. Alexandra Hospital......Doctors Cushing, Campbell and Murphy.

12. A series of demonstrations to groups on prematurity, diseases of the newborn and the care and feeding of the newborn.

Montreal Maternity Hospital.

Doctors S. Graham Ross and R. R. Struthers.

13. A series of demonstrations in the various health centres and post-natal clinics on the care and feeding of normal children and the various phases of undevelopment—by the attending staff of these clinics.

Text-books:—Holt and Howland; Dennet; Feer; Still; Porter and Carter; Morse and Talbot; Alan Brown.

Neurology

CLINICAL PROFESSORS: - {C. K. RUSSEL. F. H. MACKAY.

DEMONSTRATOR:-N. VINER.

A course on Applied Anatomy of the Nervous System is given in the earlier years of study, and students of the First and Second Years are introduced, wherever possible, to neurological patients who illustrate the anatomy and physiology of the nervous system.

- 1. In the Third Year a series of demonstrations is given on clinical methods of examining the nervous system, and some of the commoner diseases are studied.

 Professor Russel and Assistants.
- 2. Clinical lectures and demonstrations on neurology are given in the Fourth and Fifth Years of the course in the wards and medical theatre of the Montreal General and the Royal Victoria Hospitals.

Professors Russel and Mackay and Assistants.

A series of demonstrations on Neuro-pathology is given in the laboratory.

Psychiatry

CLINICAL PROFESSOR:—C. A. PORTEOUS.

ASSISTANT PROFESSOR:—DAVID SLIGHT.

LECTURER IN MENTAL HYGIENE:—C. M. HINCKS.

LECTURER IN PSYCHIATRY:—A. W. YOUNG.

Demonstrators:-
A. G. Morphy.
H. A. Sims.
J. N. Petersen.

Assistant Demonstrator:—E. C. Menzies.

Instruction will be given in the Fourth and Fifth Year.

REQUIRED COURSES

Tenth and Twelfth Terms.

1. A course of didactic lectures with clinical demonstrations of the commoner psychopathic conditions.

Medical Building......Professor Slight.

Thirteenth and Fourteenth Terms (5th Year).

2. Clinical instruction in groups is given at the Psychiatric Clinic at the Royal Victoria Hospital, which furnishes examples of the various psychoses, the border line cases, and enables the student to become

familiar with forms of mental defect, delinquency and allied conditions. The Clinic deals, moreover, with patients sent for investigation from the charitable agencies of the city and co-operation with the work of the Canadian National Committee for Mental Hygiene.

Professor Slight and Assistants.

3. Practical instruction.

Protestant Hospital for the Insane.

Professors Porteous and Slight.

In all group instruction the student is taught methods of testing psychopathic cases, and of making detailed diagnoses, while the general and occupational therapy, etc., of such cases is dealt with in detail in the hospital services.

Text-books:—"Outlines of Psychiatry," White; "Clinical Psychiatry," Kraeplin; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt; "Diseases of the Nervous System," Jeliffe and White (1923 Ed.).

Dermatology

Lecturers:—{P. Burnett. J. F. Burgess. Demonstrator:—C. R. Bourne.

The course is entirely clinical, consisting of a weekly theatre clinic at the Montreal General Hospital, on specially selected cases, and outdoor clinics, weekly, by Dr. J. F. Burgess at the Montreal General Hospital, and Dr. Philip Burnett at the Royal Victoria Hospital, throughout the session. Lantern slides are used to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Dermatology, Hartzell, McLeod, Darier, Campbell, Shamberg, Sutton.

HISTORY OF MEDICINE

PROFESSOR: -SIR ANDREW MACPHAIL.

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—
E. W. ARCHIBALD.

PROFESSOR:—A. T. BAZIN.

Associate Professor:—E. M. Eberts.

Assistant Professors:—W. L. Barlow, C. B. Keenan, C. K. P. Henry.

CLINICAL PROFESSOR OF NEUROLOGICAL SURGERY:—W. G. PENFIELD.
LECTURERS:—F. B. GURD, F. E. McKENTY, F. A. C. SCRIMGER,
F. J. TEES.

LECTURER IN NEUROLOGICAL SURGERY:—W. V. CONE. LECTURER IN ANÆSTHESIA:—W. B. HOWELL.

DEMONSTRATORS:—JOHN ARMOUR, E. B. CHANDLER, GUY JOHNSON,
R. R. FITZGERALD, L. H. McKIM, R. B. MALCOLM,
A. STEWART.

Demonstrators in Anæsthesia: $- \begin{cases} J. & W. & Armstrong. \\ C. & C. & Stewart. \end{cases}$

Assistant Demonstrators:—Howard Dawson, H. M. Elder, G. A. Fleet, Mark Kaufmann, B. F. MacNaughton, G. Gavin Miller, Albert Ross, Dudley Ross, P. G. Silver.

P. G. SILVER.

To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head, who has been given control of the teaching in the wards and out-patient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and a large rail-road and industrial centre, is noted for the extensive amount and varied character of its clinical material. Indeed the teaching in surgery is mainly clinical and practical. In the Montreal General and Royal Victorial Hospitals there are between five and six hundred beds and also large out-patient departments.

REQUIRED COURSES

Seventh to Ninth Terms (3rd Year).

- 1. Didactic Lectures Upon the General Principles of Surgery.
 Fifteen lectures upon the general principles of surgery are given during the Autumn and Winter Terms. Medical Building.
- 2. Clinical Instruction. All the clinical instruction is given at the Royal Victoria Hospital, except on Saturday forenoon, when a fracture clinic is given at the Montreal General Hospital.

- (a) Out-patient Department, Royal Victoria Hospital. Students are instructed both in the Out-patient and the In-patient Department. They are brought into immediate contact with the patient, and taught to take a correct history, to differentiate the abnormal from the normal, to apply their knowledge of anatomy, to make an examination, to dress wounds, arrange and apply splints, and to reduce the simpler fractures and dislocations. In this year every effort is made to teach the principles of the art and science of surgery, and to train the student in habits of observation.
- (b) Ward Work. Eighteen beds in the wards are allotted during the second half of the session, in order to train the student in the taking of case histories, and the student is expected to assist at the operation on the patient who has been assigned to him.
- (c) Surgical Pathology. During the first few weeks of the session there will be given a short practical course in Surgical Pathology of an introductory character, which will take up the fundamentals of inflammation, wound repair, and tumours. This will be very largely a laboratory demonstration course, and is designed to give the student at the outset of his clinical education a view of the pathological basis of the commoner diseases and injuries such as he will see first in his subsequent hospital service.
- (d) Fractures. On each Saturday forenoon throughout the Winter and Spring Terms a special course of lecture demonstrations on fractures, taking up the general principles and illustrating these by cases, will be given at the Montreal General Hospital. The follow-up Out-door clinic for fractures will also be utilized to demonstrate and teach the use of ambulant apparatus and the methods of restoring function.

Tenth to Twelfth Terms (4th Year).

- 3. Didactic Lectures Upon Regional Surgery. During this year a series of thirty lectures will be given upon the main types of disease and injury. Medical Building.
- 4. Clinical Instruction. The clinical instruction in this year is given entirely in the Montreal General Hospital, except for alternate Wednesday forenoons, when the students are given a theatre clinic at the Royal Victoria Hospital. Students attend surgical clinics in the amphitheatre of the hospital three days in the week. They also attend the wards of the hospital in groups.
- (a) Case Reporting in the Wards. Cases are assigned to students who are required to examine the patient carefully, record the conditions found, arrive at a tentative diagnosis, outline the treatment indicated, assist at operations, and follow the case to conclusion.

- (b) Surgical Amphitheatre Clinics. These are held at the Montreal General Hospital twice a week and at the Royal Victoria Hospital once every other week (Wednesday forenoon) throughout the session.
- (c) Out-patient Department. Demonstration clinics on selected cases from the general surgical clinic are given twice weekly.
- (d) Ward Classes. A teacher of mature experience and of professorial rank teaches students in the wards and instructs them in groups.

Thirteenth to Fifteenth Terms (5th Year).

The fifth is a purely hospital year. The student in his surgical term acts, for all practical purposes, as an externe, at whichever hospital he is attending. During the ten weeks of his term he devotes practically his entire time to the study of surgery, and at the end of the session is given a preliminary examination.

- (a) Theatre Clinics. One amphitheatre clinic is given alternately in the Royal Victoria Hospital and the Montreal General Hospital once a week throughout the session.
- (b) Ward Classes. The students, in groups of not more than ten men, are taught at the bedside four hours a week.
- (c) Case Reporting in the Wards. The student is responsible for the case reports of the patients allotted to him, which he is to write, with the help and under the control of the house surgeons, as well as of the chiefs of service. He must do his own laboratory work under the direction of a supervisor; he is to be present at the operations on his own cases, wash up, and assist; he must write the progress notes after operation, copy the pathological reports, and attend eventual autopsies, the principle being that he is to follow his case closely from beginning to end. During the term he is allotted on an average from twenty to twenty-five cases.

Students in this Year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and of the region implicated.

5. Anæsthesia.

Didactic lectures and laboratory demonstrations on anæsthesia are given by the Department of Pharmacology and Therapeutics to the Third Year, and practical instruction in the administration

of anæsthetics is given in the hospitals to students of the Fourth and Fifth Years. Every student is obliged to furnish a certificate of having given at least six anæsthetics under supervision.

Text-books:—

- 1. General Surgery: Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery."
- 2. Emergency Surgery: Sluss, John W., "Manual of Emergency Surgery."
 - 3. Surgical Anatomy: Treves' "Surgical Applied Anatomy."
- 4. Fractures: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocation."
- 5. Case Reporting: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Ryerson, "Process of Diagnosis."

Urology

CLINICAL PROFESSORS:—{D. W. MACKENZIE. F. S. PATCH.

LECTURER:—R. E. POWELL. DEMONSTRATOR:—M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals, for instruction in the methods of diagnosis and treatment of surgical diseases of the urinary and male genital organs and syphilis.

During the Fourth Year they are given a course of fifteen lectures on the elements of the subject in the University.

During the Final Year they receive clinical instruction on groups of cases presented for differential diagnosis, and they are required to discuss these cases and outline the treatment indicated.

Clinical clerkships are assigned in the urological wards, where cases are followed to a conclusion. Opportunity is here afforded for the complete study of a considerable number of cases.

Text-books: - Keyes' Urology.

Collateral Reading: - Thompson Walker's Genito-Urinary Surgery.

Orthopædic Surgery

CLINICAL PROFESSORS: - \{ W. G. TURNER. J. A. NUTTER. LECTURER: -W. J. PATTERSON. DEMONSTRATOR: -N. T. WILLIAMSON.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General Hospitals.

Each student attends clinics in Orthopædic Surgery at one of these hospitals for ten consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnosis for, and to prescribe the treatment for, a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics for both adults and children suffering from orthopædic affections.

In the Children's Memorial Hospital there is a great wealth of clinical material consisting of children who are suffering from the surgical diseases of infancy and childhood.

Text-books:—Whitman's Orthopedic Surgery; Fraser on Tuberculosis of Bones and Joints of Children; Tubby and Jones on Surgery of Paralysis; Jones, Orthopedic Surgery of Injuries; Jones and Lovett, Orthopedic Surgery.

OBSTETRICS AND GYNÆCOLOGY

PROFESSOR:

H. M. LITTLE.
H. C. BURGESS.
J. W. DUNCAN.
J. R. FRASER.
J. R. GOODALL.

LECTURERS:

W. A. G. BAULD.
DAVID PATRICK.

DEMONSTRATORS:

A. D. CAMPBELL.
DOUGLAS GURD.
G. C. MELHADO.
IVAN PATRICK.
ELEANOR PERCIVAL.

CLARA LAW FELLOW AND DEMONSTRATOR: -P. J. KEARNS.

Ninth Term (3rd Year).

1. A course of forty lectures on the fundamental principles of the subject, illustrated by diagrams, models and fresh and preserved specimens.

Four times a week—Spring Term...Professor —

Obstetrics

Tenth to Twelfth Terms (4th Year).

2. Clinical instruction will be given during the year in the Royal Victoria Montreal Maternity Pavilion, and will include ante-natal care in the Out-patient Department and the conduct of labour and the puerperium in the case-room and wards of the Hospital.

Twelve hours a week during one term.

Fifth Year.

3. Rooms are provided in the New Pavilion, where the students may reside, in groups of six, for a period of twelve to fourteen days. During his period of "interneship" the student will be expected to attend his out-door cases, and, under supervision, to deliver these women in their own homes.

Text-books: - Whitridge Williams; Webster; Evans; De Lee; Berry Hart.

Gynæcology

- 4. Theatre Clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professor Chipman and Staff.
- 5. Practical instruction to small groups of students in the outpatient departments of the Royal Victoria and Montreal General Hospitals.

Text-books:—Hart and Barbour; Blair Bell; Dudley Hurst; Gilliam; Anspach.

OPHTHALMOLOGY

PROFESSOR:—W. GORDON M. BYERS.

CLINICAL PROFESSORS:—

G. H. MATHEWSON.
S. H. McKee.
F. T. Tooke.

DEMONSTRATORS:—

A. G. McAuley.
J. A. MacMillan.

A. Bramley-Moore.
S. O. McMurtry.
Stuart Ramsey.
J. Rosenbaum.

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

Ninth Term (3rd Year).

1. Routine examination of the eye.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

Professor Byers, with Drs. Tooke and McKee and members of the Staff.

Tenth to Twelfth Terms (4th Year).

2. Lecture demonstrations.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Fifth Year.

Ten hours......Professor Byers.

Thirteenth to Fifteenth Terms (5th Year).

3. Clinical Ophthalmology.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professors Byers and Mathewson and Staff.

Text-books: - Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

PROFESSOR:—H. S. BIRKETT.

LECTURER:—HAMILTON WHITE.

DEMONSTRATORS:—

DEMONSTRATORS:—

ON H. BALLON.

G. E. HODGE.

J. T. ROGERS.

K. O. HUTCHISON.

A. E. LUNDON.

W. J. McNally.

J. E. Tremble.

The course of instruction in Oto-Laryngology is carried on in the wards and out-patient departments of both the Montreal General and the Royal Victoria Hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving practical instruction in these subjects. In these two hospitals there are about fifty beds set apart for this specialty.

The courses are designed to afford the student the opportunity of acquiring the oto-laryngological knowledge required by every general practitioner. The practical work is conducted in small groups, so that the personal instruction and supervision, so essential in this subject, are given to each student.

Tenth to Twelfth Terms (4th Year).

1. Introductory Course.

Group instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in most dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) the method of using the various instruments for examining the ear, nose and throat; (c) the usual tests for hearing; (d) the recognition of normal conditions of these special organs, as exemplified by clinical material.

Professor Birkett and Staff.

2. Lecture Course.

Ten lectures upon the more common pathological conditions of the ear, nose and throat met with in general practice.

Professor Birkett.

Thirteenth to Fifteenth Terms (5th Year).

3. Clinical Oto-Laryngology.

A course of clinical instruction in the out-patient departments and wards of the hospitals. Professor Birkett and Staff. Text-books:—Chevalier Jackson and Coates; St. Clair Thomson; A. Logan Turner; H. Tilley; Kerrison; Phillips; Barnhill, "Nose, Throat and Ear."

GRADUATE INSTRUCTION

- 1. Any graduate who so desires may attend any of the regular courses given to students of the Final Year. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. Course for Diploma of Public Health: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:-

- (a) A course of lectures dealing in a comprehensive manner with the general principles of public health and preventive medicine.
- (b) Bacteriology—a full practical course in general bacteriology, with special application to public health.
- (c) (1) Sanitary Chemistry. Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, etc.; chemical investigations connected with trades and occupations; (2) Physics. General principles only in their application to hygiene.
- (d) Practical public health work. An extended course under a M.O.H., affording facilities for instruction in public health relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs. dairies and milk stations, welfare centres, etc., etc.
- (e) Public health legislation and administration. Statutes and bylaws relating to public health and the powers of health authorities; administration of the office of a Medical Officer of Health.
- (f) Vital statistics. Calculation and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of communicable diseases, of child hygiene and mental hygiene, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on public health conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course, including the diploma, is \$100.00.

5. Special Courses. Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Department. Courses will be arranged suitable for the applicants, in order that they may receive full benefit from the time devoted to the course.

BUILDINGS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and geographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.
Children's Memorial Hospital.
Foundling Hospital.
Alexandra Hospital for Infectious Diseases.
Protestant Hospital for the Insane.
Royal Edward Institute for Tuberculosis.

The Maternity Hospital, from the teaching standpoint, is under the control of the University.

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 38,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museum of Anatomy. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184' x 60'—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the latter it draws chiefly its material. It was constructed at a cost of \$460,000; is of Montreal lime stone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

The Medical School is closely affiliated with a group of active general and special hospitals, the staffs of which are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 322 public beds. During 1928 it cared for 9,985 cases, while in its outdoor department 66,812 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic was established in 1924.

There were 288 post-mortems during 1928. The number of resident physicians is 34.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized outpatient service which is of the greatest benefit to the undergraduate student. During the year 1928 the obstetrical service cared for 2,259

cases, with 2,075 confinements in the Hospital and 350 in the Out-patient Department, a total of 2,425. In the gynæcological section, 1,359 cases were admitted during the year.

There are 10 resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 301 public beds. In 1928 there were 7,485 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, treated last year 125,025 patients. Many modern additions to the original buildings have been made, and a large biochemical laboratory has been finished and completely equipped.

There were 444 post-mortems during the year.

The number of resident physicians is 40.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs, and a hospital dental clinic unequalled anywhere.

The Western Division of the Montreal General Hospital— The Western General Hospital. A hospital for the treatment of acute diseases, with 59 public beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. During the year 1928 there were 1,926 admissions to the wards and 40,232 patients were treated in the out-patient department.

There were 38 autopsies during the year. The number of resident physicians is 7.

The Children's Memorial Hospital has 115 public beds, and, in 1928, admitted 1,009 patients. The attendance at its out-door department totalled 11,816 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of patients, and enables the student to get a broad conception of pediatrics. Of special interest are the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

There were 59 autopsies during the year. The number of resident physicians is 6.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pediatrics.

The Montreal Foundling and Baby Hospital affords a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and, in 1928, 1,411 patients were admitted to the hospital. There were 30 autopsies.

The number of resident physicians is 4.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute—a dispensary for tuberculosis—offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN :- C. F. WYLDE.

Assistants:
Miss Pauline M. Carrière.

Miss C. Davidson, B.A.

Miss Edith Gordon.

Miss Norah James.

"The history of the Library is the history of the Faculty."

Professor Hall.

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating 75 readers. On this floor also are the journal room and private offices. The second floor contains the stack room, the book stacks at present containing about 38,000 volumes and having a total capacity of sixty thousand volumes.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible and thus to increase the value of the reference department of the Library. There is also a great duplicate collection of journals from which distribution can be made on the exchange basis.

There is no printed catalogue, but there has been compiled a comprehensive list of continuations with their inclusive volumes, and this list will be available for out-of-town borrowers.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9 a.m. to 6 p.m., except Saturday, when it closes at 5.00 p.m. After June 1st it is open from 9 a.m. to 5 p.m.; Saturdays, 9.00 a.m. to 1 p.m. During July and August it is closed on Saturday.

OSLER LIBRARY

LIBRARIAN: -W. W. FRANCIS.

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises about 7,600 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very useful lines, the catalogue has been completed, indexed, and printed since his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 875 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 136 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers; and the books may not be borrowed or removed from the Library.

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MEDICAL SOCIETIES

1. THE McGILL MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
 - (2) To stimulate interest along medical lines.
 - (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

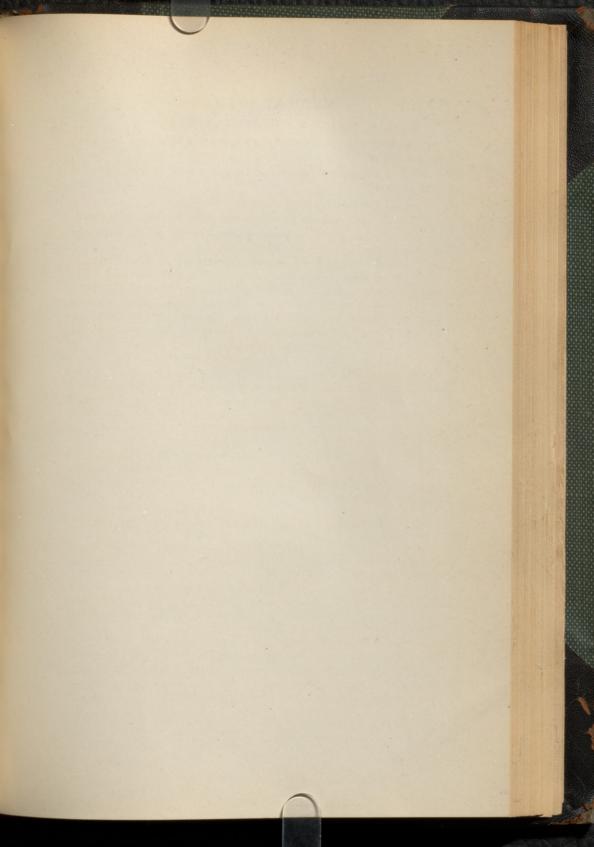
A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

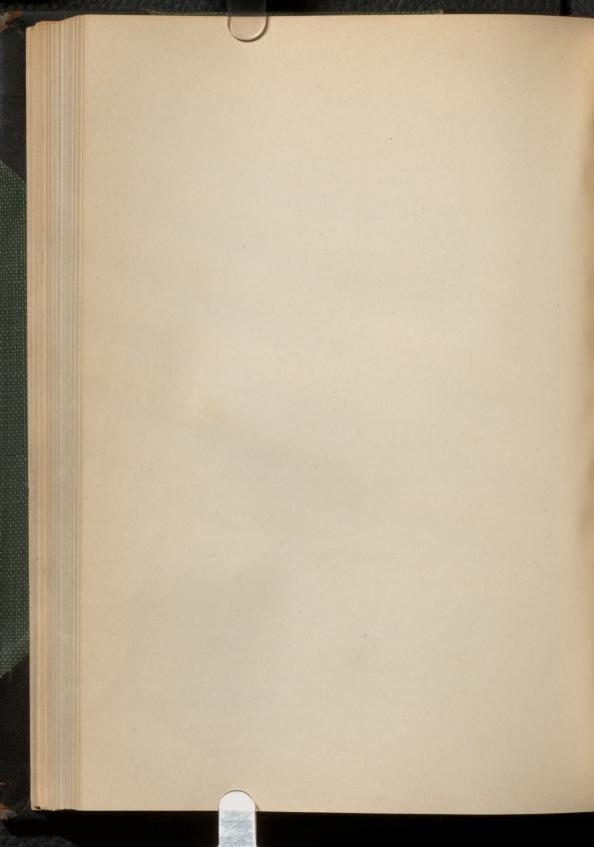
2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.





McGILL UNIVERSITY

MONTREAL



ANNOUNCEMENT

OF THE

FACULTY of MEDICINE

FOR THE SESSION 1930-31

NINETY-NINTH SESSION

MONTREAL:

Printed for the University by the Gazette Printing Company, Limited

1930

McGILL UNIVERSITY



ANNOUNCEMENT

SHT TO

FACULTY & MEDICINE

FOR THE SESSION 1930-31

NINETY-NINTH SESSION

MONTREAL

1930

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OSLER LIBRARIAN

W. W. Francis, A.B., M.D.

CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1930-31

1930

Monday, Sept. 8th Autumn Examinations begin.

Wednesday, " 10th Register opens for students in Medicine.

Wednesday, " 17th Autumn Term begins.

Monday, Oct. 6th Founder's Day. Convocation for conferring

Degrees. Opening address for the session.

Register closes for the session.

Friday, " 10th Sports Day. No lectures.

Monday, Nov. 10th Thanksgiving Day. No lectures.

Tuesday, " 25th Autumn Term ends.

Wednesday, " 26th Winter Term begins.

Friday, Dec. 19th Last day of lectures before Christmas.

1931

Monday, Jan. 5th Lectures resumed.

Tuesday, Feb. 17th Winter Term ends.

Wednesday, " 18th Ash Wednesday. No lectures.

Thursday, " 19th Examinations begin for 1st and 2nd Years.

Spring Term begins for 3rd, 4th and 5th

Years.

Wednesday, " 25th Spring Term begins for 1st and 2nd Years.

Friday, Apr. 3rd Good Friday. No lectures.

Saturday, "4th No lectures.

Monday, "6th No lectures.

Wednesday, " 29th Spring Term ends for 3rd, 4th and 5th Years.

Wednesday, May 6th Spring Term ends for 1st and 2nd Years.

Friday, " 29th Convocation for Conferring Degrees.

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Medical Arts Building.

H. C. Burgess, M.D., C.M.

Clinical Professor of Obstetrics and Gynæcology

1468 Crescent Street.

David Slight, M.B., Ch.B., D.P.M., R.C.P. & S. (Lond., Eng.).

Assistant Professor of Psychiatry. Royal Victoria Hospital.

J. R. Goodall, O.B.E., B.A., M.D., C.M., D.Sc.

Clinical Professor of Obstetrics and Gynæcology.

1628 Sherbrooke St. W.

F. G. Pedley, B.A., M.D., C.M.
Assistant Professor of Industrial Hygiene.

Montreal General Hospital.

S. H. McKee, C.M.G., B.A., M.D., C.M. Clinical Professor of Ophthalmology.

F. T. Tooke, B.A., M.D., C.M.

Clinical Professor of Ophthalmology.

C. K. P. Henry, M.D., C.M.

Assistant Professor of Surgery.

1482 Mountain Street.

1528 Crescent Street.

605 Medical Arts Building.

KATHARINE M. BANHAM BRIDGES, B.Sc. (Manchester), M.A. (Tor.).

Assistant Professor of Abnormal Psychology. Medical Bldg.

C. N. H. Long, M.Sc. (Manchester), M.D.C.M.

Assistant Professor of Medical Research (Biochemistry).

218 Redfern Ave., Westmount.

W. V. CONE, B.Sc., M.D.

Assistant Professor of Neurological Surgery and Lecturer in Neuropathology. Royal Victoria Hospital.

DAVID L. THOMPSON, B.Sc., M.A., Ph.D. Assistant Professor of Bio-Chemistry.

4435 Sherbrooke St., Westmount.

J. W. Scott, M.D.

Assistant Professor of Bio-Chemistry.

418 Claremont Ave.

LECTURERS

W. M. Fisk, M.D., C.M. Lecturer in Histology.

506 Pine Ave. W.

PHILIP BURNET, D.S.O., M.D., C.M., M.R.C.S.

Lecturer in Dermatology. No. 3, The Linton, Sherbrooke St. W. W. B. Howell, M.D., C.M., L.R.C.S., L.R.C.P. (Edin.).

Lecturer in Anæsthesia. F. B. Gurd, B.A., M.D., C.M.

1610 Sherbrooke St. West. 1538 Sherbrooke St. West.

Lecturer in Surgery.

J. Kaufmann, M.D., C.M.

Lecturer in Medicine.

1476 Crescent Street

H. E. MACDERMOTT, M.D., C.M.

Lecturer in Anatomy and Demonstrator in Medicine.

F. A. C. Scrimger, V.C., B.A., M.D., C.M. Lecturer in Surgery.

F. J. TEES, M.C., B.A., M.D., C.M. Lecturer in Surgery.

C. F. WYLDE, C.B., M.D., C.M.

Honorary Medical Librarian.

C. F. Moffatt, B.A., M.D., C.M. Lecturer in Medicine. Medical Arts Building.

Medical Arts Building.

101 Medical Arts Building.

1461 Crescent Street.

1455 Crescent Street.

WESLEY BOURNE, M.Sc., M.D., C.M. 1538 Sherbrooke St. West. Lecturer in Anæsthesia. A. HOWARD PIRIE, M.D., B.Sc. Lecturer in Radiology. Royal Victoria Hospital. F. W. HARVEY, B.A., M.D., C.M. University Medical Officer. Lecturer in Physio-Therapy. 4007 Dorchester Street W. R. E. POWELL, B.A., M.D., C.M., F.R.C.S. (Edin.). 1486 Crescent Street. Lecturer in Urology. F. McKenty, M.D., F.R.C.S. 2064 Union Avenue. Lecturer in Surgery. A. B. CHANDLER, B.A., M.D., C.M. Lecturer in Pediatrics. 1421 Bishop Street. S. GRAHAM ROSS, D.S.O., B.A., M.D., C.M., M.R.C.P. 704 Medical Arts Building. Lecturer in Pediatrics. W. A. G. BAULD, B.A., M.D., C.M. Lecturer in Obstetrics and Gynæcology. 1538 Sherbrooke Street W. D. G. CAMPBELL, B.A., M.D., C.M. Lecturer in Therapeutics and in Medicine. 1511 Mackay Street. L. M. LINDSAY, M.D., C.M. Medical Arts Building. Lecturer in Pediatrics. R. R. STRUTHERS, B.A., M.D., C.M. Lecturer in Pediatrics. Medical Arts Building. J. F. Burgess, M.B. Lecturer in Dermatology. 604 Medical Arts Building. J. G. Browne, B.A., M.D., C.M. Lecturer in Medicine. 1467 Crescent St. J. RODDICK BYERS, M.D., C.M., L.R.C.P. (Ed.). Lecturer in Medicine (Tuberculosis). 74 Westmount Blvd. C. M. HINCKS, B.A., M.B. Lecturer in Mental Hygiene. Medical Building. W. H. CHASE, B.A., M.D. Lecturer and Douglas Fellow in Pathology. Pathological Institute. W. W. BEATTIE, B.A., M.D., C.M. Lecturer in Bacteriology. Pathological Institute. ALTON GOLDBLOOM, B.A., M.D., C.M. Lecturer in Pediatrics. 1543 Crescent Street. C. T. CROWDY, M.D., C.M. Lecturer in Histology. 73 Westminster Ave., Montreal West.

40 Trafalgar Ave.

H. P. WRIGHT, B.A., M.D., C.M. Lecturer in Pediatrics.

HAMILTON WHITE, B.A., M.D., C.M. Lecturer in Oto-Laryngology.

W. J. PATTERSON, B.A., M.D., C.M. Lecturer in Orthopædic Surgery.

NORMAN BROWN, M.D., C.M. Lecturer in Physio-Therapy.

A. W. Young, M.D., C.M. Lecturer in Neurology.

D. J. Bowie, B.Sc. (Med.), Ph.D. (Toronto). Lecturer in Histology.

A. H. MACCORDICK, M.D., C.M. Lecturer in Medicine.

K. I. MELVILLE, M.Sc., M.D., C.M. Lecturer in Pharmacology.

W. L. RITCHIE, M.B. Lecturer in Radiology.

J. E. PRICHARD, M.D. Lecturer in Pathology. 1610 Sherbrooke Street West.

Medical Arts Building.

1495 Crescent St.

1390 Sherbrooke Street West.

Medical Building.

1454 Mountain Street.

Biological Building.

Montreal General Hospital.

Montreal General Hospital.

DEMONSTRATORS

R. H. M. HARDISTY, D.S.O., M.C., B.A., M.D., C.M.

Demonstrator in Medicine. Medical Arts Building.

D. W. McKechnie, D.S.O., M.D., C.M. Demonstrator in Medicine.

J. T. ROGERS, B.A., M.D., C.M. Demonstrator in Oto-Laryngology.

W. E. ENRIGHT, B.A., M.D., C.M. Demonstrator in Pediatrics.

A. G. MORPHY, B.A., M.D., C.M. Demonstrator in Psychiatry.

J. A. MACMILLAN, M.D., C.M. Demonstrator in Ophthalmology.

A. G. McAuley, M.D., C.M. Demonstrator in Ophthalmology.

C. C. BIRCHARD, M.B., M.R.C.P. (Lond.). Demonstrator in Medicine.

E. E. ROBBINS, D.V.S., M.D., C.M. Demonstrator in Medicine.

D. MACCALLUM, M.D., C.M. Demonstrator in Medicine.

570 Milton Street.

Medical Arts Bldg.

388 Roslyn Avenue.

1648 Sherbrooke Street West.

1410 Stanley Street.

1301 Dorchester Street W.

1487 Bishop Street.

574 Durocher Ave., Outremont.

1390 Sherbrooke St. W.

J. L. D. MASON, B.A., M.D., C.M. Demonstrator in Medicine.

3456 Park Avenue.

N. VINER, B.A., M.D., C.M. Demonstrator in Neurology.

1396 St. Catherine Street W.

A. D. CAMPBELL, M.D., C.M.

Demonstrator in Obstetrics and Gynacology. Medical Arts Bldg.

R. B. MALCOLM, M.D., C.M., M.Sc. Demonstrator in Anatomy and in Surgery. 604 Medical Arts Bldg.

Medical Arts Bldg.

L. H. McKim, M.D., C.M. Demonstrator in Surgery.

G. A. FLEET, M.Sc., M.D., C.M. Demonstrator in Anatomy and Assistant Demonstrator

1500 Crescent Street.

A. Ross, M.C., B.A., M.D., C.M. Demonstrator in Anatomy and Assistant Demonstrator

in Surgery. 5027 Sherbrooke Street West.

M. I. SENG, M.D., C.M. Demonstrator in Urology.

in Surgery.

1538 Sherbrooke Street West.

GUY JOHNSON, M.A., M.D., C.M., F.R.C.S. (Edin.). Demonstrator in Surgery.

1005 Sherbrooke Street West.

C. R. BOURNE, M.D., C.M. Demonstrator in Medicine.

Medical Arts Building.

IVAN PATRICK, B.A., M.D., C.M. Demonstrator in Obstetrics and Gynæcology.

5021 Sherbrooke Street West.

E. V. MURPHY, B.A., M.D., C.M. Demonstrator in Medicine.

Alexandra Hospital.

A. T. HENDERSON, M.D., C.M. Demonstrator in Medicine.

900 Sherbrooke Street West.

J. W. Armstrong, B.A., M.D., C.M. Demonstrator in Anæsthesia.

74 Courcelette Ave., Outremont.

C. C. STEWART, M.D., C.M. Demonstrator in Anæsthesia.

1538 Sherbrooke Street West.

COLIN SUTHERLAND, B.A. (Dalhousie), M.D., C.M. Demonstrator in Medicine.

1509 Sherbrooke St. W.

N. T. WILLIAMS, M.D., C.M.

Demonstrator in Orthopædic Surgery. Medical Arts Building.

J. J. WALKER, B.A., M.D., C.M. Demonstrator in Medicine.

Medical Arts Building.

G. C. MELHADO, M.D., C.M.

Demonstrator in Obstetrics and Gynæcology.

Medical Arts Building.

D. L. MENDEL, M.D., C.M.	
Demonstrator in Medicine.	403 St. Joseph Blvd. W
A. Stewart, M.D., C.M.	de Sangery
Demonstrator in Surgery.	1538 Sherbrooke St. W
W. W. Ruddick, M.D., C.M.	Accident Demonstrator
Demonstrator in Anatomy.	1499 Crescent Street
C. R. JOYCE, M.D., C.M.	Demonstrator & Austr
Demonstrator in Medicine.	5242 Park Avenue
J. C. Wickham, B.A., M.D., C.M.	
	nerbrooke St., Westmount
KEITH GORDON, B.A., M.D., C.M.	E. House, M.D., C.M.
Demonstrator in Medicine.	Medical Arts Building
LORNE C. MONTGOMERY, M.D., C.M.	M. A. Sound H. M.
Demonstrator in Medicine.	Medical Arts Building
J. F. MacIver, M.D., C.M.	
Demonstrator in Medicine.	311 Wilson Avenue.
DAVID H. BALLON, B.A., M.D., C.M.	
Demonstrator in Oto-Laryngology.	1471 Crescent Street.
G. D. LITTLE, M.D., C.M.	1200 Blanch Street Land Company of the Company of t
Demonstrator in Anatomy.	Medical Arts Building.
W. E. WILLIAMS, M.D., C.M.	MANY AN ASSESSMENT
Demonstrator in Pediatrics.	1834 Park Avenue.
A STATE OF THE PARTY OF THE PAR	1001 Laik Hyende.
R. CAMERON STEWART, B.Sc., M.D., C.M. Demonstrator in Pediatrics. 124	0 Côte St. Antoine Road.
	o Cote St. Antonie Road.
E. S. Mills, M.D., C.M., M.Sc. Demonstrator in Medicine.	16 1 1 1 1 1 D 11 11
	Medical Arts Building.
D. S. Forster, M.A., M.D., C.M.	LO ALLE MENDS II M.
Senior Demonstrator in Anatomy.	4532 Wellington St.
Douglas Gurd, M.D.	
Demonstrator in Obstetrics and Gynæcolo	gy. 1482 Mackay St.
ELEANOR S. PERCIVAL, B.A., M.D., C.M.	
Demonstrator in Obstetrics and Gynæcolog	79.
1390	Sherbrooke Street West.
GEO. C. ANDERSON, M.D., C.M.	
Demonstrator in Anatomy and Histology.	3500 Durocher Street.
JOHN ARMOUR, M.D., C.M., M.Sc.	
	D + TT TT

Demonstrator in Surgery.
R. R. FITZGERALD, B.Sc., M.D., C.M.

in Surgery.

Demonstrator in Anatomy and Assistant Demonstrator

Royal Victoria Hospital.

719 Medical Arts Building.

H. M. ELDER, M.D., C.M.	
Demonstrator in Anatomy and Assistan	it Demonstrator
in Surgery.	Medical Arts Building.
DUDLEY E. Ross, M.D., C.M.	
Assistant Demonstrator in Surgery.	1538 Sherbrooke St. W.
P. G. SILVER, M.D., C.M.	
Demonstrator in Anatomy and Assistan	nt Demonstrator
in Surgery.	1414 Drummond St.
J. N. PETERSEN, B.Sc., M.D., C.M.	
Demonstrator in Neurology.	Medical Arts Building.
G. E. Hodge, M.D., C.M.	
Demonstrator in Oto-Laryngology.	Medical Arts Building.
W. DE M. SCRIVER, B.A., M.D., C.M.	
Demonstrator in Pharmacology and in	Medicine
	Royal Victoria Hospital.
G. GAVIN MILLER, M.D., C.M.	
Assistant Demonstrator in Surgery. 13	390 Sherbrooke Street West.
G. R. Brow, M.D., C.M.	
Demonstrator in Medicine.	Royal Victoria Hospital.
JESSIE BOYD SCRIVER, B.A., M.D., C.M.	
Demonstrator in Pediatrics.	Royal Victoria Hospital.
R. VANCE WARD, M.D., C.M.	
Demonstrator in Industrial Hygiene.	1060 Bernard St. West.
E. H. CAYFORD, B.A., M.D., C.M.	
Demonstrator in Anatomy.	Medical Arts Building.
E. B. Chandler, M.D., C.M.	
Demonstrator in Anatomy and Surgery.	. Medical Arts Building.
R. M. H. Power, M.D., C.M.	
Demonstrator in Anatomy. 161	10 Sherbrooke Street West.
D. A. Ross, B.Sc.	
Demonstrator in Physiology.	Biological Building.
L. P. Ereaux, B.Sc., M.D., C.M.	
Demonstrator in Dermatology.	1390 Sherbrooke St. W.
B. SILVERMAN, M.D., C.M.	

J. B. Ross, M.D., C.M.

Demonstrator in Pharmacology.

B. F. Macnaughton, M.D., C.M.

Assistant Demonstrator in Oto-Laryngology. 1487 Bishop Street. J. Rosenbaum, M.D., C.M.

Assistant Demonstrator in Ophthalmology.

Demonstrator in Mental Hygiene.

1396 St. Catherine Street West.

531 Pine Avenue.

A. Bramley-Moore, B.A., M.D., C.M. Assistant Demonstrator in Ophthalmology. 1456 Mountain St.

HAROLD F. H. EBERTS, B.A., M.D.

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4492 Sherbrooke Street, Westmount.

W. W. ALEXANDER, M.D., C.M. Assistant Demonstrator in Medicine.

334 Harvard Avenue.

KEITH HUTCHISON, M.D., C.M. Assistant Demonstrator in Oto-Laryngology.

1509 Sherbrooke St. W.

W. J. McNally, B.A., M.Sc., M.D., D.L.O., R.C.P. & S. (Eng.). Assistant Demonstrator in Oto-Laryngology.

Medical Arts Building.

J. E. TREMBLE, M.D., D.L.O., (R.C. of P. and R.C. of S. Eng.). Assistant Demonstrator in Oto-Laryngology.

1390 Sherbrooke St. West.

S. O. McMurtry, B.A., M.D., C.M. Assistant Demonstrator in Ophthalmology.

1433 Stanley St.

G. A. STUART RAMSEY, B.A., M.D., C.M. Assistant Demonstrator in Ophthalmology.

1496 Mountain St.

H. N. SEGAL, M.D., C.M. Assistant Demonstrator in Medicine.

Medical Arts Building.

Howard Dawson, B.A., M.D. Assistant Demonstrator in Surgery. 1538 Sherbrooke St. W.

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Assistant Demonstrator in Pathology. Pathological Institute. H. S. N. GREENE, B.A., M.D., C.M.

Assistant Demonstrator in Pathology. Pathological Institute. W. J. BAXTER, M.D., C.M.

Assistant Demonstrator in Pathology. Montreal General Hospital.

J. B. VAN DER VEER, M.D. (Iowa.). Assistant Demonstrator in Pathology. Montreal General Hospital.

C. J. TIDMARSH, M.A., M.D., C.M.

Assistant Demonstrator in Pharmacology and in Medicine.

1390 Sherbrooke St. West.

MARK KAUFMANN, M.D., C.M. Assistant Demonstrator in Surgery.

Medical Arts Building.

E. C. Menzies, M.D., C.M.

Assistant Demonstrator in Psychiatry.

Protestant Hospital, Verdun.

FELLOWS

R. V. Christie, M.B., Ch.B. (Edin.)

Research Fellow, University Medical Clinic.

Royal Victoria Hospital.

P. J. KEARNS, M.D., C.M.

Clara Law Fellow and Demonstrator in Obstetrics and

Gynæcology.

Pathological Institute.

R. L. Kutz, M.Sc. (Alberta).

Research Fellow in Biochemistry.

Biological Building.

J. S. L. Browne, B.A., B.Sc. (Med.), M.D., C.M.

Research Fellow in Biochemistry.

Biological Building.

L. I. Pugsley.

Research Fellow in Biochemistry.

Biological Building.

HISTORICAL SUMMARY

(Faculty of Medicine)

1821-1927

1	744	James McGill, born October 6th (Founder's Day). Die 1813.
1	801–02	Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament,
1	811	Will by James McGill leaving landed estate and £10,000 to Royal Institution for Advancement of Learning for founding a University.
1	818	Royal Institution for Advancement of Learning incorporated Montreal General Hospital opened on original site on St Lawrence Street.
18	821	Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill Col- lege. Corner-stone of new Montreal General Hospital laid
1	822–24	Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1824, there were four teachers and twenty-five students.
18	829	Estate of James McGill surrendered by residuary legatee First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine
18	831	Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of
18	832	charter for same by order of Solicitor-General. Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
18	333	First University degree conferred in Medical Faculty upon W. Logie.
18	336–37	Faculty removed to building next to present Bank of Montreal.
18	340	Faculty removed to St. George Street.
18	342	Arts Building erected on University grounds, where medical lectures were held 1845-51.
18	352	Faculty removed to Côté Street.
18	355	Sir William Dawson appointed Principal.

- 1860 Geo. W. Campbell appointed Dean, serving until 1882.
- 1872 First independent Medical Faculty building on University ground.

 Graduation of William Osler.
- 1882 Geo. W. Campbell Memorial Fund for Medical Faculty (\$50,000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, \$50,000).

 R. P. Howard appointed Dean.
- New laboratories erected in Medical Building (Lord Strathcona, \$100,000).
- 1889 Robert Craik appointed Dean—George Ross, Vice-Dean.
- 1893 Sir William Peterson appointed Principal.
 Pathological Laboratory erected (John H. R. Molson, \$60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, \$100,000).

 Mrs. Mary Dow Endowment Fund presented to Medical Faculty (\$10,000).
- 1894 Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).
- 1898-01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, \$100,000.)

 Joseph Morley Drake Chair of Physiology founded (\$25,000).
- 1901 Thomas G. Roddick appointed Dean.
- 1906 Alexandra Hospital for Infectious Diseases opened.
- 1907 Medical Building partly destroyed by fire.
- 1908 F. J. Shepherd appointed Dean.
- 1909-11 New Medical Building (as at present) erected. (Lord Strathcona, \$450,000.)
- 1911 Robert Reford endowment of Department of Anatomy (\$100,000).

 Arthur A. Browne Memorial Fund for Research established (\$10,000).

 Dr. James Douglas research fellowship in Pathology founded (\$25,000).
- 1912 Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, \$14,000).

 James Cooper Endowment Fund established for Internal Medicine (\$60,000).
- 1913 Graduates of the Faculty of Medicine subscribed \$12,566 to meet fire loss.

- 1914 H. S. Birkett appointed Dean.
 No. 3 (McGill) General Hospital organized for Overseas service.
 New Foundling Hospital opened.

 1916 Ross Memorial Parities and Land M. D. W. D.
- 1916 Ross Memorial Pavilion opened by H.R.H. Duke of Connaught (J. K. L. Ross).
- 1917 Geo. Ross Endowment Fund for Medical Faculty presented.
 1919 Sir William Macdonald bequeathed \$500,000 to Medical Faculty.
 Faculty of Dentistry established. Osler Library (of the history of medicine and science) bequeathed to the Faculty of Medicine by Sir William Osler.
- 1920 Sir Arthur Currie appointed Principal.
 Dr. J. W. Scane appointed Assistant Dean.
- 1921 Centenary Celebration.

 Friends and Graduates of McGill donated \$4,000,000 to
 University.

 Province of Ouebea devoted \$1,000,000 to IV.
 - Province of Quebec donated \$1,000,000 to University.

 Rockefeller Foundation granted \$1,000,000 to Medical Faculty.
 - F. G. Finley appointed Dean.
- 1922 Laboratories for Biological Sciences opened.
 Geo. E. Armstrong appointed Dean.
 New Outpatient Department erected at Royal Victoria.
 Hospital.
- 1923 Pathological Institute erected. C. F. Martin appointed Dean.
- 1924 Rockefeller Foundation gave \$500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.

 Amalgamation of Western Hospital with the Montreal General Hospital.
- 1925 Erection of Royal Victoria-Montreal Maternity Pavilion. Roddick Memorial Gates opened.
- 1926 Closing of old Montreal Maternity Hospital.
- 1927 Sub-department of Industrial Medicine formed, with Industrial Clinic at the Montreal General Hospital. (Grant of \$25,000 from Metropolitan Life Insurance Company.)

 Inter-Hospital Commission formed for purposes of administration
- Opening of new laboratory building for Experimental Surgery.

 Rockefeller Foundation gave \$85,000 for research in Surgery.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with the title of Secretary.

A. F. Holmes, 1854.

Geo. W. Campbell, 1860.

R. P. Howard, 1882.

Robert Craik, 1889.

George Ross (Vice-Dean), 1889.

Thomas G. Roddick, 1901.

Francis J. Shepherd, 1908.

Herbert S. Birkett, 1914.

F. G. Finley, 1921.

George E. Armstrong, 1922.

C. F. Martin, 1923.

(J. W. Scane, Assistant Dean, 1920–1922.)

REGISTRARS

John Stephenson, 1829.
Archibald Hall, 1842.
William Wright, 1864.
Robert Craik, 1869.
William Osler, 1877.
F. J. Shepherd, 1883 (Acting).
James Stewart, 1884.
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
(J. W. Scane, Assistant Dean, 1920-1922.)

Registrar abolished—1923

SECRETARIES

J. C. SIMPSON, 1923.

MEDICINE

Chair of Medicine
(Founded 1824)
WILLIAM CALDWELL, 1824.
WILLIAM ROBERTSON, 1833.
ANDREW F. HOLMES, 1842.
R. P. HOWARD, 1860.
GEORGE ROSS, 1889.
JAMES STEWART, 1893.

Chair of Clinical Medicine
(Founded 1845)

JAMES CRAWFORD, 1845 and 1852.

ROBT. L. MACDONNELL, 1849.

STEPHEN C. SEWELL, 1850.

R. P. HOWARD, 1856.

DUNCAN C. MACCALLUM, 1860.

JOSEPH M. DRAKE, 1872.

GEORGE ROSS, 1872.

RICHARD L. MACDONNELL, 1889.

JAMES STEWART, 1891.

Chair of Medicine and Clinical Medicine
(Founded 1907)

(Chair of Medicine since 1923)
F. G. FINLEY, 1907-1924.
H. A. LAFLEUR, 1907-1919.
C. F. MARTIN, 1907.
J. C. MEAKINS, Professor and Director, 1924.
C. P. HOWARD, 1924.
W. F. HAMILTON, 1924.

SURGERY

Chair of Surgery (Founded 1824) JOHN STEPHENSON, 1824. G. W. CAMPBELL, 1835. GEO. E. FENWICK, 1875. T. G. RODDICK, 1890. Chair of Clinical Surgery
(Founded 1840)

JAMES CRAWFORD, 1845.

WILLIAM E. SCOTT, 1852.

DUNCAN C. MACCALLUM, 1856.

ROBERT CRAIK, 1860.

GEORGE E. FENWICK, 1867.

THOMAS G. RODDICK, 1876.

JAMES BELL, 1894.

Chair of Surgery and Clinical Surgery
(Founded 1907)

(Chair of Surgery since 1923)
JAMES BELL, 1907-1911.
GEO. E. ARMSTRONG, 1907-1923.
J. A. HUTCHISON, 1913-1923.
E. W. ARCHIBALD, Professor and Director, 1923.
A. T. BAZIN, 1923.
E. M. EBERTS, 1929.

OBSTETRICS AND GYNÆCOLOGY

Chair of Obstetrics (Founded 1824) WILLIAM ROBERTSON, 1824. JOHN RACEY, 1833. GEO. W. CAMPBELL, 1835. MICHAEL McCullogh, 1842. ARCHIBALD HALL, 1854. D. C. MACCALLUM, 1868. ARTHUR A. BROWNE, 1883. J. CHALMERS CAMERON, 1886.

Chair of Gynæcology (Founded 1883) WILLIAM GARDNER, 1883. W. W. CHIPMAN, 1910.

Chair of Obstetrics and Gynæcology (Founded 1913)

W. W. CHIPMAN, 1913. J. R. Fraser, 1929. H. M. LITTLE, 1929.

ANATOMY

(Chair founded 1824)

JOHN STEPHENSON, 1824. OLIVER T. BRUNEAU, 1842. WILLIAM E. SCOTT, 1856. Francis J. Shepherd, 1883. A. C. GEDDES, 1913. S. E. WHITNALL, 1919.

CHEMISTRY

Chair of Chemistry (Founded 1824)

> ANDREW F. HOLMES, 1824. ARCHIBALD HALL, 1842. WILLIAM SUTHERLAND, 1849. ROBERT CRAIK, 1867. GILBERT P. GIRDWOOD, 1879. R. F. RUTTAN, 1902.

Chair of Practical Chemistry Chair of Bio-Chemistry (Founded 1872) GILBERT P. GIRDWOOD, 1872. R. F. RUTTAN, 1894.

A. B. MACALLUM, 1920. J. B. COLLIP, 1928.

INSTITUTES OF MEDICINE

Chair of Institute of Medicine
(Founded 1824 and included the Department of Physiology,
Histology and Pathology)

John Stephenson, 1824. Stephen C. Sewell, 1842. Robert L. MacDonnell, 1845. William Fraser, 1849. Joseph M. Drake, 1868. William Osler, 1874.

PHYSIOLOGY

(Founded 1824—endowed 1897)

WESLEY MILLS, 1886. N. H. ALCOCK, 1911. G. R. MINES, 1914. JOHN TAIT, 1919. BORIS P. BABKIN, 1928.

PATHOLOGY

(Founded 1892—endowed 1893)

J. Geo. Adami, 1892.H. Oertel, 1919.

PHARMACOLOGY

Chair of Pharmacology and Therapeutics
(Founded 1824)

Andrew F. Holmes, 1824. Archibald Hall, 1835. Stephen C. Sewell, 1842. A. Hall, 1849. William Wright, 1854. James Stewart, 1883. A. D. Blackader, 1891.

Chair of Pharmacology

H. G. BARBOUR, 1921. R. L. STEHLE, 1924.

BOTANY

(Chair founded 1829)
ANDREW F. HOLMES, 1829.
DR. PAPINEAU, 1845.
J. W. DAWSON, 1855-56 and 1858-83.
JAMES BARNSTON, 1857-58.
D. P. PENHALLOW, 1883.
F. E. LLOYD, 1912.

MEDICAL JURISPRUDENCE

(Chair founded 1845)

WILLIAM FRASER, 1845.
FRANCIS BADGLEY, 1849.
FRANCIS C. T. ARNOLDI, 1850.
WILLIAM E. SCOTT, 1851.
WILLIAM WRIGHT, 1852.
R. PALMER HOWARD, 1854.
DUNCAN C. MACCALLUM, 1860.
GEORGE E. FENWICK, 1867.
WILLIAM GARDNER, 1875.
GEORGE WILKINS, 1883.
D. D. MACTAGGART, 1911–1929.

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871-endowed 1893)

GEORGE ROSS, 1871.
THOMAS G. RODDICK, 1873.
ROBERT T. GODFREY, 1875.
WILLIAM GARDNER, 1879.
R. L. MACDONNELL, 1886.
ROBERT CRAIK, 1889.
WYATT JOHNSTON, 1902.
T. A. STARKEY, 1902.

A. G. Fleming, Professor and Director of the Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology (Founded 1883) FRANK BULLER, 1883. Chair of Laryngology
(Founded 1893)

G. W. Major, 1893.H. S. Birkett, 1895.

Chair of Oto-Laryngology

H. S. BIRKETT, 1895.

Chair of Ophthalmology

J. W. STIRLING, 1906.W. G. BYERS, 1923.

CHAIR OF ZOOLOGY

E. W. MACBRIDE, 1902. ARTHUR WILEY, 1910.

CHAIR OF HISTORY OF MEDICINE

ANDREW MACPHAIL, 1907.

FACULTY OF MEDICINE

The ninety-eighth session of the Faculty will open on September 17th, 1930.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization.

Candidates without a degree should have at least three years of college work. In exceptional cases applications may be received from students who have completed two years of work in a recognized college or faculty of Arts, provided they present certificates that they have scholastic standing placing them in the first third of their class.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements and reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

Physics—One year of general college Physics with laboratory work.

Biology—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

Chemistry-Two years:-

- (a) One full course of General Chemistry with laboratory work.
- (b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong. (For further particulars see "Requirements for Licence to Practise," p. 42.)

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1930-31 on September 10th to September 16th, 1930. Those who register after September 16th will be required to pay a fee of \$5.00 if they do so during the first week of the session and \$10.00 if during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination. Students of the Second Year, as well as those of all Years who wish to engage in athletic activities, are also required to be physically examined. The hours for this examination will be announced at registration.

Students who do not present themselves for the medical examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Re-examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulation regarding medical examination.

Suspension from lectures for any cause, or absence from more than one-eighth of the total number of lectures given in any course, as shown by the monthly reports furnished to the Dean of each Faculty by the several professors and lecturers, shall be considered as sufficient ground to disqualify a student from engaging in athletic contests.

During the session and including the Christmas holidays, all teams and individual students desiring to participate in "outside"* athletics must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletic Manager, by whom all such sanctions are granted.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participation in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

^{*}Outside athletics is interpreted to mean the athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

FEES 31

Provision is made by the Department for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only, and for that time, only when requisitioned for by the Department. A leaflet concerning this service and the general work of the Department, together with the regulations governing athletics, will be distributed at the opening of the session.

FEES

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 23rd, 24th and 25th. They may be paid by cheque, which should be mailed so as to reach the Bursar by the date named.

Fees will also be accepted before September 17th.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

After September 25th or February 1st (in the case of those who pay by instalments) an additional fee of \$2.00 will be exacted of all students in default.

- 2. Immediately after October 10th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Dean of the Faculty a list of the registered students who have not paid their fees, on receipt of which he shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.
- 3. Students registering after September 25th shall pay their fees at the time of registration, failing which they become liable for the additional fee of \$2.00 exacted of students in default.
- 4. Fee for the support of various undergraduate organizations, for the skating rinks and tennis courts during the session, and for admission to the home games under the control of the Athletic Board:—

For men undergraduates	 \$17.00
For women undergraduates	 10.00

Partial students who pay the above fees will have the same privileges as undergraduates in these respects.

The sum of \$10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made, and a refund is granted at the close of the session.

- 5. Partial students will be admitted to one or more courses on payment of special fees and a fee of \$3.00 for athletics.
- 6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc.
- 7. Students taking out extra dissecting material will be charged at the rate of \$10.00 for a half session and \$20.00 for a whole session.
- 8. An ad eundem fee of \$10.00 is charged students entering from another university in any Year above the First.
- 9. When the degree of Doctor of Medicine and Master of Surgery is conferred in absentia, a fee of twenty dollars will be charged, unless the candidate has been specially exempted by the Faculty.
- 10. The fee for the graduate course in Public Health, including laboratory fee, the fee for outdoor work and the diploma fee, is \$100.00.

SUMMARY OF FEES

By instalments:		\$250.00*
First instalment, if paid before September 27th. \$1	127.50†	
Second instalment, if paid before February 5th.	127.50†	
Miscroscope, first instalment (on deferred payment plan)	32.00	32.00
Caution money (deposit)	10.00 17.00	10.00 17.00
salara dina di mana di	314.00	\$309.00

^{*} For students who entered the Faculty prior to the session 1926-27 this fee will be \$205.00.

[†] For students who entered prior to 1926-27, \$105.00.

MICROSCOPES

Each student is required to provide himself, on beginning his studies, with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of \$105.00 or on the deferred payment plan, by which payment is spread over five years, as follows:—First year, \$32.00; second year, \$25.00; third year, \$22.00; fourth year, \$20.00; fifth year, \$16.00.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 772 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

Information about boarding and lodging houses may be had on application to the Secretary at Strathcona Hall. A list of suitable houses is prepared about a fortnight before the opening of the session each year. Owing to frequency of change, this list is not mailed.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of from \$60.00 and upwards per month; or, separately, board at \$45.00 to \$55.00 per month, rooms from \$15.00 to \$20.00 per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served à la carte.

2. APPROXIMATE ESTIMATE OF COST OF COURSE

Tuition Fees	Minimum \$250.00	Moderate \$250.00*
Fee for Athletics, Union, etc		17.00
Board and Lodging	480.00	560.00
Books, Instruments, etc	153.00	173.00
	\$900.00	\$1,000.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of \$10.00 which is made by each student at the commencement of the session. Students are advised also to reckon on at least \$20.00 to \$25.00 per annum for subscriptions of various kinds.

^{*}For students who entered the Faculty prior to 1926-27, this fee will be \$205.00.

COURSE FOR THE M.D. DEGREE AND EXAMINATIONS

A. THE MEDICAL COURSE

Each session is divided into three terms of ten weeks, and the course will be completed in fifteen terms—or, if the student so desires, he may proceed more slowly prior to taking the examinations for his degree.

The curriculum is so arranged as to permit of a student taking additional or advanced work in certain terms, while in the hospital year much more latitude will be afforded for independent study.

The tenth, eleventh and twelfth terms are arranged on a rotary system.

B. EXAMINATIONS

- 1. Class Examinations, oral or written, are held during the session to test the progress of the student. If the standing obtained by any student in these examinations is unsatisfactory, he shall not be permitted to take the final examination.
- 2. Final or University Examinations are the ultimate test in determining a student's fitness for promotion or graduation. They are held at the end of the Winter and Spring Terms and during the fortnight preceding the opening of the Autumn Term in September.

The Final or University Examinations include the following subjects arranged in three divisions:—

First:			
1.	Anatomy	3	terms
2.	Histology	2	"
3.	Bacteriology	1	term
4.	Physiology	3	terms
5.	Biochemistry	2	"
Second:-	The state of the s		
	Pharmacology		
an guivel.	Pathology and Medical Jurisprudence.	5	terms
Third:			
	Public Health and Preventive Medi-		
		2	terms
8.		2 2	terms "
mi ano 8. m	cine		terms "
9.	cine Obstetrics and Gynæcology	2	terms "
9. 10.	cine Obstetrics and Gynæcology Surgery (including Urology and Or-	2	becased
9. 10.	cine	2	becased
9. 10.	cine	6	becased

In order to qualify for these examinations, a candidate must have attended a course or courses of study extending over at least the number of terms specified in each case.

3. Re-examination:—A student who has failed in the Final Examination in any subject may apply for re-examination at the next examination period. Applications must be in the hands of the Secretary at least one week before the date set for the beginning of the examinations, and the applicant must at the same time pay to the Bursar a fee of \$5.00 for each subject.

C. GRADING

At the conclusion of each course students will be graded in five groups, as follows:—

A = Honours

B = Good

C = Fair

D = Doubtful

E = Failure.

In reporting the grading, the names of those students who attain honour standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final and Class Examinations, but the instructor will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

D. PROMOTION

As noted in section A, the Final or University Examinations are arranged in three divisions. Whilst a certain latitude is permitted as to the time at which these examinations are passed, the following rules will be rigidly enjoined:—

- 1. First Division.—A student must pass the examinations in all subjects of the First Division before he will be permitted to begin the work of the seventh term.
- 2. Second Division.—The examinations in Pharmacology and General Pathology must be passed before a student will be permitted to proceed to the work of the tenth term. The examination in Special Pathology must be passed before the student may proceed to the work of the thirteenth term.

3. Third Division.—A candidate may pass the Final Examinations in Public Health separately from the examinations in the other subjects of the Third Division, but not earlier than the end of the twelfth term.

To qualify for the Final Examinations in Medicine, Surgery and Obstetrics, a candidate must have:—

- (a) Attended courses extending over a period of not less than fifteen terms.
- (b) Satisfactorily completed the prescribed courses of study and practice in:—
- i. Ophthalmology,
 - ii. Oto-laryngology,
 - iii. Abnormal Psychology and Psychiatry,
 - iv. Infectious Diseases,
 - v. Anæsthesia,
 - vi. Post-mortem Examinations,

and such other courses as the Faculty may from time to time determine.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

- 4. The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.
- 5. At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or retired from the Faculty.

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MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

MEDALS

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., LL.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Bio-chemistry, together with a creditable examination in the primary branches.

The Lieutenant Governor's Silver Medal, to be awarded to the student who obtains the highest marks in General Medicine at the end of the Fifth Year.

The Lieutenant Governor's Bronze Medai, to be awarded to the student who obtains the highest standing in the Final Examination in Physiology.

PRIZES

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final Examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Biochemistry and Bacteriology).

The F. Slater Jackson Prize. An annual prize of \$50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

The Alexander D. Stewart Prize. An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

FELLOWSHIPS

The A. A. Browne Memorial Fellowship.—The sum of \$10,000 was received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of \$25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in pathology, given by the late Dr. James Douglas, open to McGill graduates only, tenable for six years and of the value of \$1,250 for the first year, increasing to \$2,500.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of \$60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately \$600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a permanent fellowship in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company.

The John W. Flinn Research Fellowship.—In 1921, Dr. John W. Flinn, of Prescott, Arizona, gave the sum of \$5,000, to be paid in five equal annual instalments of \$1,000, this sum to be used for the assistance of medical research in tuberculosis.

The Hiram N. Vineberg Fellowship in Gynæcology, of the value of \$250.00 per annum, donated in 1924 by Dr. Hiram N. Vineberg, of New York, a graduate of McGill University, 1878.

The J. W. McConnell Scholarship.—The sum of \$1,000.00 was donated to the Department of Surgery for purposes of research for the year 1925-26. This was renewed each year since and in 1928 was increased in value to \$1,500. It will be again available for the session 1930-31.

The Clara Law Fellowship, founded in 1927 by Mrs. J. R. Fraser for the furtherance of research in the laboratory of the Department of Obstetrics and Gynæcology, is of the value of \$1,200 per annum.

The P. P. Cowans Scholarship of \$1,000.00 was presented to the Department of Surgery and Physiology for purposes of investigation in these subjects during the year 1925-26. It was renewed each year since and will be again available in 1930-31.

The Walter J. Hoare Memorial Scholarship.—A sum of moncy has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

Six scholarships for Canadian students, four donated in 1927, by Mrs. R. MacDougall Paterson, Mrs. Charles Meredith, Mrs. C. F. Martin and Louis Colwell, Esq., and two in 1928 by C. W. Lindsay, Esq., and A. B. Purvis, Esq. These scholarships are valued at \$400.00 each per annum, and extend over the five years of the course. The conditions pertaining to these scholarships may be had on application to the Dean or Secretary of the Faculty of Medicine.

The Dr. J. Francis Williams Scholarship of \$500.00, founded by the late J. Francis Williams, M.D., to be awarded to the student of the Final Year who obtains the highest standing in Medicine and Clinical Medicine.

The Dr. J. H. B. Allan Scholarship of \$300.00, founded by bequest of Mrs. Agnes W. Allan, wife of the late Dr. J. H. B. Allan, to be used as the Faculty may direct.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
- 3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the five years of the Medical course.
- 5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
- 6. He must also have attended during one full session the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENSE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained. In order that disappointment and loss of time may be avoided, the University requires students to register with the licensing body of their home province or state before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC.—Dr. J. Gauvreau, 354 St. Catherine Street E., Montreal.

Ontario.—Dr. H. Wilberforce Aikens, 170 University Avenue, Toronto, Ont.

New Brunswick.—Dr. S. H. McDonald, 56 Colborne Street, Saint John, N.B.

Nova Scotia. - Dr. W. H. Hattie, Halifax, N.S.

PRINCE EDWARD ISLAND.—Dr. H. D. Johnson, Charlottetown, P.E.I.

Manitoba.—Dr. J. E. Coulter, 604 Boyd Bldg., Winnipeg, Man.

Alberta.—Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN.—Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUMBIA.—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION
OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in the final subjects.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Physical Ambropologica A Chinese and relevant

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.

ASSISTANT PROFESSOR:—J. BEATTIE.

LECTURER:—H. E. MACDERMOT.

SENIOR DEMONSTRATOR:—D. S. FORSTER.

Demonstrators:—

G. C. Anderson; E. H. Cayford;
E. B. Chandler; H. M. Elder;
R. R. Fitzgerald; G. A. Fleet;
G. D. Little; R. Bruce Malcolm;
R. M. H. Power; A. Ross;
W. W. Ruddick; P. G. Silver.

The required courses in Anatomy, Histology and Embryology are given in the first three terms of the Medical Course. In subsequent terms opportunity is afforded for a complete revision in Anatomy, together with optional courses of advanced work, both gross and microscopic.

REQUIRED COURSES

1. Lecture Course in Gross Anatomy.

Text-books:—Gray's "Anatomy" (English Edition); Whitnall's "Study of Anatomy."

Reference books:—Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology."

Recommended for Collateral Reading:—Keith's "Menders of the Maimed"; Hilton's "Rest and Pain."

2. Laboratory Course in Gross Anatomy.

Fifteen hours weekly during the Autumn and Winter Terms, and fourteen hours weekly during the Spring Term.

Professor Whitnall and Staff.

Practical Manual:-Walmsley.

- ANATOMY 3. Tutorials: Devoted mainly to the study of osteology and surface anatomy. One hour weekly throughout the session. Drs. MacDermot and Forster. Text-books: -- Gray's "Anatomy"; Thompson's "Surface Anatomy." 4. Discussions: Informal class discussions upon problems and difficulties. 5. Revision Course: An optional laboratory course covering the whole body. Three hours weekly throughout the session for students who have completed the required work.....Professor Whitnall and Staff. 6. Elective Work: Advanced or special work by arrangement. Six hours weekly during the Spring Term. Professor Whitnall and Staff. 7. Ophthalmological Anatomy: Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology. By arrangement. Details on application.....Professor Whitnall.
- 8. Oto-laryngological Anatomy: A similar course. By arrangement. Details on application.....Professor Whitnall.
- 9. Physical Anthropology: A didactic and laboratory course.
- 10. Neurology: A series of colloquia on recent work on the Nervous System. By arrangement ...
- 11. Comparative Anatomy of the Primates: Offered for students taking the Honours Course in the Biological Sciences. The course is based upon and continues the work of general comparative anatomy and leads on to the study of human anatomy.

Two lectures or colloquia and two hours of laboratory work per week during the year......Dr. Beattie.

HISTOLOGY AND EMBRYOLOGY

Professor:—J. C. Simpson.

(D. J. Bowie. LECTURERS IN HISTOLOGY:-W. M. FISK.

C. T. CROWDY.

DEMONSTRATOR: -G. C. ANDERSON.

REQUIRED COURSES

- 1. Histology and Embryology—Lecture Course.

 Three hours weekly during the Autumn and Winter Terms.

 Professor Simpson and Dr. Fisk.

 Text-books:—Jordan, Bailey, Lewis and Bremer.
- 2. Histology and Embryology—Laboratory Work.
 Seven hours weekly during the Autumn and Winter Terms.
- Organogenesis: The development of the organs and systems of the human body.
 One hour a week throughout the Session.....Professor Simpson. Reference books:—Jordan; Arey; Keith.

OPTIONS

4. Special Histology and Embryology.

Laboratory course open to students who have completed Courses 1 and 2.

Three hours weekly (Saturday mornings) throughout the Session.

5. Optional Work: Advanced work, including microscopical technique.

Six hours a week during the Spring Term. By arrangement.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT.

RESEARCH PROFESSOR:—BORIS P. BABKIN.

ASSISTANT PROFESSOR:—N. GIBLIN.

DEMONSTRATOR:—D. A. ROSS.

In this department special provision is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate purposes other special courses are given.

REQUIRED COURSES

1. Introductory Course—Lectures and Demonstrations.

In this course, which is comprehensive rather than detailed, the general principles of the subject are dealt with.

Five hours a week during the Spring Term.

2. Intermediate Course—Lectures, Demonstrations and Laboratory.

Three lectures, one demonstration and six hours laboratory work a week. Autumn Term.

The more detailed description of the nervous system and sense organs forms a part of this course. The accompanying laboratory course consists of experiments on surviving parts of the frog and on the human subject.

Text-books:-Howell, Macleod, Starling, Stewart.

3. Senior Course.—Lectures, Demonstrations and Mammalian Laboratory.

During these lectures the survey of the subject for undergraduate medical purposes is completed. The laboratory work accompanying the course involves a more advanced operative and instrumental technique.

Three lectures, one demonstration and six hours of laboratory work. Winter Term.

Text-book:—Sharpey-Schafer, "Experimental Physiology."

Laboratory Text-book:—Sherrington, "Mammalian Physiology."

- 4. Lectures on Autonomic Nervous Systems. Professor Babkin.
- 5. Lectures on Selected Advanced Topics..... Professor Giblin.
- 6. Lectures on Structure and Function......Professor Tait.
- 7. Advanced Laboratory.
- 8. Physiological Colloquium.

PSYCHOLOGY

PROFESSOR OF ABNORMAL PSYCHOLOGY:—J. W. BRIDGES.
ASSISTANT PROFESSOR OF ABNORMAL PSYCHOLOGY:—
K. M. BANHAM BRIDGES.

REQUIRED COURSE

1. Normal and Abnormal Psychology. Psychophysiological standpoint, the relation of abnormal to normal mental life and behaviour, the mechanism of behaviour and the physical basis of consciousness, theories of the unconscious, the motivation of behaviour, association and dissociation; imitation, suggestion, instinct, habit, emotion, memory, intelligence, character, temperament, and their abnormalities.

Two lectures a week. Seventh and Eighth Terms.

Professor J. W. Bridges.

OPTIONAL COURSES

These are one term courses open to students in the Fourth and Fifth Years and to graduates.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

Professor:—J. B. Collip.

Assistant Professors:—{ D. L. Thompson. J. W. Scott.

LECTURERS ON PATHOLOGICAL CHEMISTRY:—

{ E. H. Mason. I. M. Rabinowitch.

Research Fellows:— $\begin{cases} R. \ L. \ Kutz. \\ J. \ S. \ L. \ Browne. \\ L. \ I. \ Pugsley. \end{cases}$

1. Biochemistry-Lecture Course.

During the first half of the course the lectures deal with the chemical constitution, the physical and other characters and the relationships of the products of the activities of living matter, carbohydrates, fats, proteins, urea, purins, etc., and in the second half will involve an extensive discussion of (a) the origin, character and the active properties of the various ferments of the digestive tract; (b) the chemical and physical processes involved in, and the products resulting from,

the digestion, absorption and assimilation of the foodstuffs in the human body; (c) the intermediate and ultimate products of metabolism, and (d) the chemistry of the tissues and of blood, bile and urine.

Four hours a week during the Autumn and Winter Terms!

2. Biochemistry-Laboratory Course.

The exercises will deal with the practical side of the subjects treated in the lecture course, such as the digestion of starch, fats, and proteins, the absorption and assimilation of fats, the metabolism of the carbohydrates absorbed, and of the products of protein digestion. Especial attention will be given to the methods of the qualitative and quantitative determination of the more important metabolites, such as urea, uric acid, creatine, creatinine, etc.

Twelve hours per week during the Autumn and Winter Terms.

Towards the close of Courses 1 and 2 in the second term, special attention will be given to pathological chemistry, which will involve a course of about twenty lectures and about fifty hours of practical work on metabolism in disease.

In addition to the written and practical examination exacted of each student in this course, oral examinations will be held and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Biochemistry for the year.

Text-books:—Cameron, "A Text-book of Biochemistry"; Folin, "Laboratory Manual of Biological Chemistry"; Lusk, "Science of Nutrition."

Reference books:—Robertson, "Principles of Biochemistry"; Bayliss, "Principles of General Physiology"; Plimmer, "Practical Organic and Bio-Chemistry"; Mathews, "Physiological Chemistry"; Bodansky, "Introduction to Physiological Chemistry"; Hawk, "Practical Physiological Chemistry"; Pryde, "Recent Advances in Biochemistry"; Lovatt-Evans, "Recent Advances in Physiology"; Macleod, "Physiology and Biochemistry in Medicine"; Burns, "An Introduction to Biophysics": Thomson, "The Life of the Cell"; Gortner, "Outlines of Biochemistry."

PATHOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL.
ASSOCIATE PROFESSOR:—L. J. RHEA.
ASSISTANT PROFESSOR:—T. R. WAUGH.

Lecturer :-- J. E. Prichard.

LECTURER IN NEUROPATHOLOGY: -W. V. CONE.

Assistant Demonstrators:—

{ W. J. Baxter, R. J. Caldwell, H. S. N. Greene. J. B. Van der Veer.

CURATOR OF MUSEUMS:-E. L. JUDAH.

REQUIRED COURSES

- 1. General Pathology and Pathological Morphology.

 Comprising (1) the philosophical and historic evolution of the conceptions of disease; (2) the general foundations and relations of morbid life in constitution, physical and chemical environment and parastism; (3) pathogenesis and the structural changes incident to it. Two lectures with epidiascope demonstrations a
- 2. Laboratory Course in General Pathological Anatomy and Histology, (including the methods of microscopic technique and diagnosis with practical exercises in the living animal, in fresh and in hardened tissues).

 Six hours weekly—Winter and Spring Terms.

week-Autumn, Winter and Spring Terms..... Professor Oertel.

- Pathological Institute......Professor Oertel and Demonstrators.

 3. Special Pathology of the Circulatory, Respiratory, Digestive
- 4. Laboratory Course in Special Pathological Anatomy and Histology.

One hour a week—Autumn, Winter and Spring Terms.

Pathological Institute......Professor Waugh and Demonstrators.

- 7. Pathological Anatomy of the Nervous System.

 One lecture a week—Spring Term.

 Dr. Cone (in conjunction with Professor Penfield).

8. Practical Course of Pathological-Anatomical Methods and Diagnosis.

Once a week-Autumn, Winter and Spring Terms.

- 9. Performance of Autopsies—Group instruction.
 Autumn, Winter and Spring Terms.
 Pathological Institute...........Dr. Chase and Demonstrators.
 Montreal General Hospital....Professor Rhea and Demonstrators.
- 11. Clinico-Pathological Conferences.

 On cases from the medical service of the Royal Victoria Hospital.

 Once a week—Autumn, Winter and Spring Terms.

 Pathological Institute...........Pathological and Hospital Staffs.
- 12. Clinico-Pathological Conferences.
 On cases from the various medical and surgical services of the Montreal General Hospital.
 Laboratories of the Montreal General Hospital.

Pathological and Hospital Staffs. Reference books:—Oertel, "Outlines of Pathology": Virchow, "Cellular Pathology"; Cohnheim, "Lectures on Pathology"; Ziegler, "Specielle Pathologie"; Delafield and Prudden, "Text-book of Pathology"; Wells, "Chemical Pathology."

For advanced courses leading to higher academic degrees or options see the Announcement of the Faculty of Graduate Studies and Research.

BACTERIOLOGY

PROFESSOR:—F. C. HARRISON.

ASSISTANT PROFESSOR:—A. A. BRUÈRE.

LECTURER:—W. W. BEATTIE.

REQUIRED COURSES

- General Course: Lectures and laboratory.
 Spring Term. First Year.
 Pathological Institute.......Professor Harrison and Assistants.
- Special Course.
 Third Year.
 Pathological Institute.
 Professor Bruère, Dr. Beattie and Demonstrators.

For advanced courses leading to higher academic degrees or options see the Announcement of the Faculty of Graduate Studies and Research.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

Professor and Director:—A. Grant Fleming.

Strathcona Professor of Hygiene:—T. A. Starkey

Assistant Professors:—

R. St. J. Macdonald.
F. B. Jones.

Assistant Professor of Mental Hygiene:—W. T. B. MITCHELL.

Lecturer in Mental Hygiene:—C. M. Hincks.

Demonstrator in Mental Hygiene:—Baruch Silverman.

Demonstrator in Industrial Hygiene:—R. Vance Ward.

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

In order that the importance of Public Health and Preventive Medicine may be kept before the student, short courses are given in the First and Second Years. These courses are of an introductory nature and from a historical background, develop the needs and opportunities for preventive medicine and its relation to society.

The main course is given in the Third Year, with the exception of the communicable diseases, which come in the Fourth Year.

The Department aims to correlate the teaching of the preventive aspects of medicine with that which is dealt with by other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the programme of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual development; of how we may recognize and deal

with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations,

The course includes introductory lectures in the First and Second Years, in an attempt to give the student more complete insight into his own behaviour responses and an objective attitude to the behaviour responses of others. This introductory course is followed up by the formal mental hygiene presentation, covering ten hours, in the Third Year.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

In the Third Year, visits of inspection are made to plants selected to illustrate the general principles of water purification, the modern dairy plant, including pasteurization and industrial hygiene.

A brief course in Applied Public Health Bacteriology is given to familiarize the student with the facilities available, the method of taking specimens, the methods of examination and the interpretation of laboratory reports on water, milk, sputum, nose and throat swabs.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the Fifth Year. This study requires individual field work by each student.

An optional practical course, more advanced than the above regular course, is open to students wishing to go more fully into the subject.

Text-books and Reference books:-

The General Field:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collia and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White. School Hygiene:—The Fundamentals of School Health, Kerr.

PHARMACOLOGY

Professor:—R. L. Stehle.

Assistant Professor of Therapeutics:—D. S. Lewis.

ASSISTANT PROFESSOR OF PHARMACOLOGY:-N. B. DREYER.

LECTURER IN PHARMACOLOGY:—K. I. MELVILLE.

LECTURER IN THERAPEUTICS: - D. GRANT CAMPBELL.

LECTURER IN ANÆSTHESIA:-WESLEY BOURNE.

Lecturers in Physio-Therapy: - F. W. Harvey.
Norman Brown.

Demonstrator in Pharmacology:—W. de M. Scriver.

Demonstrator in Pharmacology:—J. B. Ross.

Assistant Demonstrator:—C. J. Tidmarsh.

REQUIRED COURSES

Second Year

Pharmacology.—The action of drugs is considered in as exact
a fashion as possible from information derived by means of experimental methods and careful clinical observation. A serious attempt
is made to familiarize the student with the chemistry of the drugs
studied in so far as it is known.

Three lectures a week during the Spring Term, supplemented by one conference and one demonstration a week.

Drs. Stehle, Dreyer and Melville.

2. Pharmacological Laboratory.—The experiments are chosen to illustrate the lectures of the preceding course.

Two periods (six hours) a week during the Spring Term.

Drs. Stehle, Dreyer and Staff.

Fourth Year

Therapeutics.—The principles of therapeutics and the application of drugs in internal medicine, surgery, and the specialties are covered.

4. Pharmacy and Prescription Writing.

Five lectures and five laboratory periods during the Winter Term.

Drs. Scriver and Dreyer.

5. Physio-therapy.

Fifth Year

6. Clinical Therapeutics.—One ward class per week for one term in conjunction with the Department of Medicine.

Drs. Lewis and Campbell.

Text-books in Pharmacology:—Cushny, Sollmann, Pouisson, Meyer and Gottlieb.

OPTIONS

Suitably prepared persons may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:-JONATHAN C. MEAKINS.

Professors:—

Campbell Palmer Howard.

W. F. Hamilton.

C. F. Martin.

ASSOCIATE PROFESSOR:—A. H. GORDON.

Assistant Professor of Medical Research:—Maude E. Abbott.

Assistant Professor of Medical Research (Biochemistry):—

C. N. H. Long.

Assistant Professors:—

E. H. Mason.
C. A. Peters.
I. M. Rabinowitch.

Lecturers: - { J. G. Browne, D. G. Campbell, J. Kaufmann, D. S. Lewis, A. H. MacCordick, C. F. Moffatt.

LECTURER (TUBERCULOSIS) :- J. R. BYERS.

C. C. BIRCHARD, C. R. BOURNE,
G. R. BROW, KEITH GORDON,
R. H. M. HARDISTY, A. T. HENDERSON,
C. R. JOYCE, D. C. MACCALLUM,
H. E. MACDERMOT, J. F. MACIVER,
D. W. MCKECHNIE, J. L. D. MASON,

LORNE MONTGOMERY, E. V. MURPHY, E. E. ROBBINS, W. DE M. SCRIVER COLIN SUTHERLAND, J. J. WALKER,

D. L. MENDEL, E. S. MILLS,

DEMONSTRATORS :--

Assistant Demonstrators:—

{ W. W. Alexander, H. F. Eberts, W. C. Gowdey, H. N. Segall, C. J. Tidmarsh.

J. C. WICKHAM.

RESEARCH FELLOW: -R. V. CHRISTIE.

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and bio-chemistry with clinical medicine is emphasized—not only in the pre-clinical years but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

Students must have followed up at least ten cases from their inception to a conclusion and be certified therefor.

REQUIRED COURSES

Sixth to Ninth Terms (2nd and 3rd years).

1. A course of lectures on the general principles of medicine, emphasizing and correlating the study of Anatomy, Physiology and Biochemistry in the signs and symptoms of disease.

Three hours a week—Spring, Autumn and Winter Terms.

Professors Meakins, Rabinowitch and Mason.

2. A course of clinical lectures twice weekly is given to demonstrate the application of the principles, as set forth in the course of lectures mentioned above.

Professors Meakins, Rabinowitch and Mason.

3. A course of practical instruction on physical examination and physical diagnosis. This course is given in the Wards and Out-patient Department of the Royal Victoria Hospital.

Professor Meakins and Assistants.

- 4. During the eighth and ninth terms, a limited number of cases are allotted to each student in the wards for introductory instruction in case-reporting and general examination of patients. This is supplemented by bedside clinics.
- 5. A course in clinical microscopy of forty periods is given in the laboratories of the Pathological Institute.

Four hours a week—Autumn and Winter Terms.

Dr. Kaufmann and Assistants.

Text and Reference books:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease"; Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; Krehl, "Basis of Clinical Symptoms."

Tenth, Eleventh and Twelfth Terms (4th Year).

- 6. A course of lectures throughout the session on the "Principles and Practice of Medicine," with collateral reading assigned on various topics.

 Professor J. C. Meakins and Assistants.
- 7. A course of theatre clinics at the Montreal General Hospital at which cases of unusual interest are presented.

Professor Gordon and Staff.

- 8. A course of bedside clinics to small groups at the Montreal General Hospital.

 Professor Gordon and Assistants.
- 9. A course at the Out-patient Department of Medicine and Pediatrics of the Montreal General Hospital, in small groups, where the student will act as a clinical clerk, taking routine histories, making a complete physical examination and performing some of the simpler laboratory tests. At the end of each period the interesting cases will be presented to the entire group by the physician in charge.

10. A course of clinical-pathological conferences for the entire class will be held once a week at the Pathological Laboratory of the Montreal General Hospital.

Professors Rhea, Howard, Gordon and Assistants.

11. Cases in the Medical Wards of the Montreal General Hospital are assigned to each member of the class for reporting. It is obligatory that each student shall present satisfactory case reports on at least ten patients during this course.

Text and Reference books:—Osler's "Practice of Medicine"; Taylor's "Practice of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Dieulafoy, "The Text-book of Medicine"; Strumpell, "Text-book of Medicine for Students and Practitioners"; McKenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Twelfth-Fifteenth Terms (5th Year).

Hospital year. Each student becomes virtually a member of the externe staff.

He is allotted in turn to various services of the hospital in the capacity of clinical clerk, participating in the keeping of records, the diagnosis and treatment of patients in wards and out-patient departments and in the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Regular theatre clinics are given only in the major subjects.

With the present limitation of students it becomes possible to give the student a closer familiarity than hitherto with practical scientific medicine and its allied subjects of neurology, psychiatry and pediatrics.

PEDIATRICS

CLINICAL PROFESSOR:—H. B. CUSHING.

A. B. CHANDLER.
A. GOLDBLOOM.
L. LINDSAY.
S. GRAHAM ROSS.
R. R. STRUTHERS.
H. P. WRIGHT.

W. E. ENRIGHT.

Demonstrators: — W. E. Enright,

Jessie Boyd Scriver.

R. C. Stewart.

W. E. Williams.

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Instruction is given in all the clinical years. Emphasis is laid on the relation of pediatrics to public health and community problems in medicine.

Seventh to Ninth Terms (3rd Year).

1. A series of clinical demonstrations to groups of students on the methods of physical examination of infants and children at the Royal Victoria Hospital, extending over a period of two weeks.

Professor Cushing and Assistants.

2. A series of demonstrations to groups of students on the manifestations of disease in children.

Winter and Spring Terms.

Royal Victoria Hospital......Professor Cushing and Assistants.

3. During the Autumn and Winter terms of this year, a limited number of cases are allotted to each student in the Pediatric Ward for introductory instruction in case-reporting and general examination of patients.

Tenth to Twelfth Terms (4th Year).

4. A course of lectures dealing with the peculiarities and development of children, the principles and theory of infant-feeding, the diseases peculiar to children and the differences in the manifestation and treatment of ordinary diseases of adults and children.

Thirty lectures.

Medical Building......Professor Cushing and Assistants.

5. A series of clinics throughout the year, illustrating the lectures and demonstrating the ordinary diseases of childhood.

Children's Memorial Hospital....Doctors Lindsay and Goldbloom.

6. A series of demonstrations to groups, in Out-patient Department and Children's Ward, on the examination, diagnosis and treatment of sick children.

Montreal General Hospital......Dr. Chandler and Assistants.

7. A series of demonstrations to groups of students each week on the ordinary acute infectious diseases.

Alexandra Hospital.

Professor Cushing, Doctors D. Grant Campbell and E. V. Murphy.

Thirteenth to Fifteenth Terms (5th Year).

8. Students act as assistants to the internes, report cases, attend ward rounds and Out-patient pediatric clinics in the various hospitals, supervised by the atterding staffs of the hospitals.

9. A series of practical clinics to groups of students on infant feeding and the care and development of young infants.

Montreal Foundling Hospital.

Doctors Lindsay, Goldbloom and H. P. Wright.

10. A series of theatre clinics on the principal diseases of infancy and childhood.

Montreal General Hospital. Dr. Chandler.
Royal Victoria Hospital Dr. Ross.

11. A series of clinics to groups on the acute infectious diseases.

Alexandra Hospital......Doctors Cushing, Campbell and Murphy. 12. A series of demonstrations to groups on prematurity, diseases of the newborn and the care and feeding of the newborn.

Montreal Maternity Hospital.

Doctors S. Graham Ross and R. R. Struthers.

13. A series of demonstrations in the various health centres and post-natal clinics on the care and feeding of normal children and the various phases of undevelopment—by the attending staff of these clinics.

Text-books:—Holt and Howland; Dennet; Feer, Still; Porter and Carter; Morse and Talbot; Alan Brown.

NEUROLOGY

LECTURER IN NEUROLOGY: - A. W. YOUNG.

$$\label{eq:Demonstrators} Demonstrators := \left\{ \begin{array}{l} N. \ Viner. \\ J. \ N. \ Petersen. \end{array} \right.$$

A course on Applied Anatomy of the Nervous System is given in the earlier years of study, and students of the First and Second Years are introduced, wherever possible, to neurological patients who illustrate the anatomy and physiology of the nervous system.

- 1. In the Third Year a series of demonstrations is given on clinical methods of examining the nervous system, and some of the commoner diseases are studied.

 Professor Russel and Assistants.
- 2. Clinical lectures and demonstrations on neurology are given in the Fourth and Fifth Years of the course in the wards and medical theatre of the Montreal General and the Royal Victoria Hospitals.

Professors Russel and Mackay and Assistants.

A series of demonstrations on Neuro-pathology is given in the laboratory.

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS.

ASSISTANT PROFESSOR:—DAVID SLIGHT.

DEMONSTRATOR:—A. G. MORPHY.

ASSISTANT DEMONSTRATOR:—E. C. MENZIES.

Instruction will be given in the Fourth and Fifth Year.

REQUIRED COURSES

Tenth and Twelfth Terms.

1. A course of didactic lectures with clinical demonstrations of the commoner psychopathic conditions.

Medical Building......Professor Slight.

Thirteenth and Fourteenth Terms (5th Year).

2. Clinical instruction in groups is given at the Psychiatric Clinic at the Royal Victoria Hospital, which furnishes examples of the various psychoses, the border line cases, and enables the student to become familiar with forms of mental defect, delinquency and allied conditions. The Clinic deals, moreover, with patients sent for investigation from the charitable agencies of the city and co-operation with the work of the Canadian National Committee for Mental Hygiene.

Professor Slight and Assistants.

3. Practical instruction.

Protestant Hospital for the Insane.

Professors Porteous and Slight.

In all group instruction the student is taught methods of testing psychopathic cases, and of making detailed diagnoses, while the general and occupational therapy, etc., of such cases is dealt with in detail in the hospital services.

Text-books:—"Outlines of Psychiatry," White; "Clinical Psychiatry," Kraeplin; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt; "Diseases of the Nervous System," Jeliffe and White (1923 Ed.).

DERMATOLOGY

 $Lecturers := \begin{cases} P. \ Burnett. \\ J. \ F. \ Burgess. \end{cases}$ Demonstrators : $\begin{cases} C. \ R. \ Bourne. \\ L. \ P. \ Ereaux. \end{cases}$

The course is entirely clinical, consisting of a weekly theatre clinic at the Montreal General Hospital, on specially selected cases, and outdoor clinics, weekly, by Dr. J. F. Burgess at the Montreal General Hospital, and Dr. Philip Burnett at the Royal Victoria Hospital, throughout the session. Lantern slides are used to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Dermatology, Hartzell, McLeod, Darier, Campbell, Shamberg, Sutton.

HISTORY OF MEDICINE

PROFESSOR: - SIR ANDREW MACPHAIL.

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:

E. W. ARCHIBALD.

CLINICAL PROFESSOR OF NEUROLOGICAL SURGERY:—W. G. PENFIELD.
ASSISTANT PROFESSOR OF NEUROLOGICAL SURGERY:—W. V. CONE.

Lecturers: - { F. B. Gurd, F. E. McKenty, F. A. C. Scrimger, F. J. Tees.

LECTURER IN ANÆSTHESIA: -W. B. HOWELL.

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SURGERY

Demonstrators:—

John Armour, E. B. Chandler,
Guy Johnson, R. R. Fitzgerald,
L. H. McKim, R. B. Malcolm,
A. Stewart.

Demonstrators in Anæsthesia: $-\begin{cases} J. \ W. \ Armstrong. \\ C. \ C. \ Stewart. \end{cases}$

Assistant Demonstrators:—

Howard Dawson, H. M. Elder, G. A. Fleet, Mark Kaufmann, B. F. MacNaughton, G. Gavin Miller, Albert Ross, Dudley Ross, P. G. Silver.

To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head, who has been given control of the teaching in the wards and out-patient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and a large rail-road and industrial centre, is noted for the extensive amount and varied character of its clinical material. Indeed the teaching in surgery is mainly clinical and practical. In the Montreal General and Royal Victoria Hospitals there are between five and six hundred beds and also large out-patient departments.

REQUIRED COURSES

Seventh to Ninth Terms (3rd Year).

- Didactic Lectures Upon the General Principles of Surgery.
 Fifteen lectures upon the general principles of surgery are given during the Autumn and Winter Terms. Medical Building.
- 2. Clinical Instruction. All the clinical instruction is given at the Royal Victoria Hospital, except on Saturday forenoon, when a fracture clinic is given at the Montreal General Hospital.

Royal Victoria Hospital. Students are instructed both in the Out-door Department and the Wards. They are brought into immediate contact with the patient, and taught to take a correct history, to differentiate the abnormal from the normal, to apply their knowledge of anatomy, to make an examination, to dress wounds, apply splints, and to reduce the simpler fractures and dislocations. In this year every effort is made to teach the principles of the art and science of surgery, and to train the student in habits of observation.

Fractures. On each Saturday forenoon throughout the Winter and Spring Terms a special course of lecture demonstrations on fractures, taking up the general principles and illustrating these by cases, will be given at the Montreal General Hospital. The follow-up Out-door clinic for fractures will also be utilized to demonstrate and teach the use of ambulant apparatus and the methods of restoring function.

3. Surgical Pathology. During the first few weeks of the session there will be given a short practical course in Surgical Pathology of an introductory character, which will take up the fundamentals of inflammation, wound repair, and tumours. This will be very largely a laboratory demonstration course, and is designed to give the student at the outset of his clinical education a view of the pathological basis of the commoner diseases and injuries such as he will see first in his subsequent hospital service.

Tenth to Twelfth Terms (4th Year).

- 4. Didactic Lectures Upon Regional Surgery. During this year a series of thirty lectures will be given upon the main types of disease and injury. Medical Building.
- 5. Clinical Instruction. The clinical instruction in this year is given entirely in the Montreal General Hospital, except for alternate Wednesday forenoons, when the students are given a theatre clinic at the Royal Victoria Hospital. Students attend surgical clinics in the amphitheatre of the hospital three days in the week. They also attend the wards of the hospital in groups.
- (a) Case Reporting in the Wards. Cases are assigned to students, who are required to examine the patient carefully, record the conditions found, arrive at a tentative diagnosis, outline the treatment indicated, assist at operations, and follow the case to conclusion.
- (b) Surgical Amphitheatre Clinics. These are held three times a week, of which two clinics are given regularly at the Montreal General Hospital, while the third (Wednesday forenoon) is held alternately at this hospital and at the Royal Victoria Hospital throughout the session.
- (c) Out-patient Department. Demonstration clinics on selected cases from the general surgical clinic are given twice weekly.
- (d) Ward Classes. A teacher of mature experience and of professorial rank teaches students in the wards and instructs them in groups.

SURGERY 65

Thirteenth to Fifteenth Terms (5th Year).

The fifth is a purely hospital year. The student in his surgical term acts, for all practical purposes, as an externe, at whichever hospital he is attending. During the ten weeks of his term he devotes practically his entire time to the study of surgery.

- (a) Theatre Clinics. One amphitheatre clinic is given alternately in the Royal Victoria Hospital and the Montreal General Hospital once a week throughout the session.
- (b) Ward Classes. The students, in groups of not more than ten men, are taught at the bedside four hours a week.
- (c) Case Reporting in the Wards. The student is responsible for the case reports of the patients allotted to him, which he is to write, with the help and under the control of the house surgeons, as well as of the chiefs of service. He must do his own laboratory work under the direction of a supervisor; he is to be present at the operations on his own cases, wash up, and assist; he must write the progress notes after operation, copy the pathological reports, and attend eventual autopsies, the principle being that he is to follow his case closely from beginning to end. During the term he is allotted on an average from twenty to twenty-five cases.

Students in this Year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and of the region implicated.

6. Anæsthesia.

Didactic lectures and laboratory demonstrations on anæsthesia are given by the Department of Pharmacology and Therapeutics to the Third Year, and practical instruction in the administration of anæsthetics is given in the hospitals to students of the Fourth and Fifth Years. Every student is obliged to furnish a certificate of having given at least six anæsthetics under supervision.

7. X-Ray Course.

During the trimester of ten weeks a series of ten lecturedemonstrations is given, chiefly upon interpretation of roentgenograms.

8. Surgical Anatomy.

During the Fourth Year a series of ten lecture-demonstrations will be given upon the more important applications of anatomy to surgery.

Text-books:-

- 1. General Surgery: Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery."
- 2. Emergency Surgery: Sluss, John W., "Manual of Emergency Surgery."
 - 3. Surgical Anatomy: Treves' "Surgical Applied Anatomy."
- 4. Fractures: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations."
- 5. Case Reporting: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Ryerson, "Process of Diagnosis."

UROLOGY

CLINICAL PROFESSORS: - { D. W. MACKENZIE. F. S. PATCH. LECTURER: -R. E. POWELL. DEMONSTRATOR: -M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals, for instruction in the methods of diagnosis and treatment of surgical diseases of the urinary and male genital organs and syphilis.

During the Fourth Year they are given a course of ten lectures on the elements of the subject in the University.

During the Final Year they receive clinical instruction on groups of cases presented for differential diagnosis, and they are required to discuss these cases and outline the treatment indicated. The teaching is carried out in the wards, the amphitheatre, and the G. U. Outdoor.

Opportunity is thus afforded for the complete study of a considerable number of cases.

Text-books:—Keyes' Urology.

Collateral Reading: - Thomson Walker's Genito-Urinary Surgery.

ORTHOPÆDIC SURGERY

During the Fourth Year a series of ten didactic lectures is given upon the principles and the more important orthopædic conditions.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General Hospitals.

Each student attends clinics in Orthopædic Surgery at one of these hospitals for ten consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnosis for, and to prescribe the treatment for, a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics for both adults and children suffering from orthopædic affections.

In the Children's Memorial Hospital there is a great wealth of clinical material consisting of children who are suffering from the surgical diseases of infancy and childhood.

Text-books:—Whitman's Orthopedic Surgery; Fraser on Tuberculosis of Bones and Joints of Children; Tubby and Jones on Surgery of Paralysis; Jones, Orthopedic Surgery of Injuries; Jones and Lovett, Orthopedic Surgery.

OBSTETRICS AND GYNÆCOLOGY

PROFESSOR AND CHAIRMAN :- J. R. FRASER.

PROFESSOR:—H. M. LITTLE.

CLINICAL PROFESSORS:—

{ H. C. BURGESS. J. W. DUNCAN. J. R. GOODALL.

LECTURER: -W. A. G. BAULD.

Demonstrators:—

A. D. Campbell.

Douglas Gurd.
G. C. Melhado.

Ivan Patrick.

Eleanor Percival.

CLARA LAW FELLOW AND DEMONSTRATOR: -P. J. KEARNS.

Ninth Term (3rd Year).

1. A course of forty lectures on the fundamental principles of the subject, illustrated by diagrams, models and fresh and preserved specimens.

Four times a week-Spring Term......Professor Fraser.

Obstetrics

Tenth to Twelfth Terms (4th Year).

2. Clinical instruction will be given during the year in the Royal Victoria Montreal Maternity Pavilion, and will include ante-natal care in the Out-patient Department and the conduct of labour and the puerperium in the case-room and wards of the Hospital.

Twelve hours a week during one term.

Fifth Year.

3. Rooms are provided in the New Pavilion, where the students may reside, in groups of six, for a period of twelve to fourteen days. During his period of "interneship" the student will be expected to attend his out-door cases, and, under supervision, to deliver these women in their own homes.

Text-books:—Whitridge Williams; De Lee; Jellett & Madill—Ten Teachers.

Gynæcology

- 4. Theatre Clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals.

 Professor Fraser and Staff.
- 5. Practical instruction to small groups of students in the outpatient departments of the Royal Victoria and Montreal General Hospitals.

Text-books:—Hart and Barbour; Blair Bell; Dudley Hurst; Gilliam; Anspach; Crossen.

OPHTHALMOLOGY

PROFESSOR:—W, GORDON M. BYERS.

CLINICAL PROFESSOR::—

G. H. MATHEWSON.
S. H. McKee,
F. T. Tooke.

DEMONSTRATORS:—

A. G. McAuley.
J. A. MacMillan.

A. Bramley-Moore.
S. O. McMurtry.
STUART RAMSEY,
J. ROSENBAUM.

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courss:—

Ninth Term (3rd Year).

1. Routine examination of the eye.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

Professor Byers, with Drs. Tooke and McKee and members of the Staff.

Tenth to Twelfth Terms (4th Year).

2. Lecture demonstrations.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Fifth Year.

Ten hours......Professor Byers.

Thirteenth to Fifteenth Terms (5th Year).

3. Clinical Ophthalmology.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professors Byers and Mathewson and Staff.

Text-books:-Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

Professor:—H. S. Birkett.

Lecturer:—Hamilton White.

The course of instruction in Oto-Laryngology is carried on in the wards and out-patient departments of both the Montreal General and the Royal Victoria Hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving practical instruction in these subjects. In these two hospitals there are about fifty beds set apart for this specialty.

The courses are designed to afford the student the opportunity of acquiring the oto-laryngological knowledge required by every general practitioner. The practical work is conducted in small groups, so that the personal instruction and supervision, so essential in this subject, are given to each student.

Tenth to Twelfth Terms (4th Year.

1. Introductory Course.

Group instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in moist dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) the method of using the various instruments for examining the ear, nose and throat; (c) the usual tests for hearing; (d) the recognition of normal conditions of these special organs, as exemplified by clinical material.

Professor Birkett and Staff.

2. Lecture Course.

Ten lectures upon the more common pathological conditions of the ear, nose and throat met with in general practice.

Professor Birkett.

Thirteenth to Fifteenth Terms (5th Year).

3. Clinical Oto-Laryngology.

A course of clinical instruction in the out-patient departments and wards of the hospitals. Professor Birkett and Staff.

Text-books:—Chevalier Jackson and Coates; St. Clair Thomson;

A. Logan Turner; H. Tilley; Kerrison; Phillips; Barnhill.

GRADUATE INSTRUCTION

- 1. Any graduate who so desires may attend any of the regular courses given to students of the Final Year. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. Course for Diploma of Public Health: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:-

- (a) A course of lectures dealing in a comprehensive manner with the general principles of public health and preventive medicine.
- (b) Bacteriology—a full practical course in general bacteriology, with special application to public health.
- (c) (1) Sanitary Chemistry. Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, etc.; chemical investigations conected with trades and occupations; (2) Physics. General principles only in their application to hygiene.
- (d) Practical public health work. An extended course under a M.O.H., affording facilities for instruction in public health relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc., etc.
- (e) Public health legislation and administration. Statutes and bylaws relating to public health and the powers of health authorities; administration of the office of a Medical Officer of Health.
- (f) Vital statistics. Calculation and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of communicable diseases, of child hygiene and mental hygiene, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on public health conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course, including the diploma, is \$100.00.

4. Special Courses. Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Department. Courses will be arranged suitable for the applicants, in order that they may receive full benefit from the time devoted to the course.

CLINICAL INSTRUCTION

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and geographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Foundling Hospital.

Alexandra Hospital for Infectious Diseases.

Protestant Hospital for the Insane.

Royal Edward Institute for Tuberculosis.

The Maternity Hospital, from the teaching standpoint, is under the control of the University.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 38,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museum of Anatomy. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184' x 60'—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the latter it draws chiefly its material. It was constructed at a cost of \$460,000; is of Montreal lime stone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

The Medical School is closely affiliated with a group of active general and special hospitals, the staffs of which are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 322

public beds. During 1928 it cared for 9,985 cases, while in its outdoor department 66,812 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic was established in 1924.

There were 288 post-mortems during 1928.

The number of resident physicians is 34.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized outpatient service which is of the greatest benefit to the undergraduate student. During the year 1928 the obstetrical service cared for 2,259 cases, with 2,075 confinements in the Hospital and 350 in the Out-patient Department, a total of 2,425. In the gynæcological section, 1,359 cases were admitted during the year.

There are 10 resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 301 public beds. In 1928 there were 7,485 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, treated last year 125,025 patients. Many modern additions to the original buildings have been made, and a large biochemical laboratory has been finished and completely equipped.

There were 444 post-mortems during the year.

The number of resident physicians is 40.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs, and a hospital dental clinic unequalled anywhere.

The Western Division of the Montreal General Hospital— The Western General Hospital. A hospital for the treatment of acute diseases, with 59 public beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. During the year 1928 there were 1,926 admissions to the wards and 40,232 patients were treated in the out-patient department.

There were 38 autopsies during the year.

The number of resident physicians is 7.

The Children's Memorial Hospital has 115 public beds, and, in 1928, admitted 1,009 patients. The attendance at its out-door department

totalled 11,816 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of patients, and enables the student to get a broad conception of pediatrics. Of special interest are the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

There were 59 autopsies during the year.

The number of resident physicians is 6.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pediatrics.

The Montreal Foundling and Baby Hospital affords a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and, in 1928, 1,411 patients were admitted to the hospital. There were 30 autopsies.

The number of resident physicians is 4.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute—a dispensary for tuberculosis—offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN: - DR. C. F. WYLDE.

Assistants:

Miss Edith Ashworth
Miss Pauline M. Carrière
Miss C. Davidson, B.A.
Miss Edith R. Gordon
Miss Beatrice V. Simon

"The history of the Library is the history of the Faculty."

Professor Hall.

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating seventy-five readers. On this floor also are the journal room and private office. The second floor contains the stack room, the book stacks at present containing about 45,000 volumes, and having a total capacity of sixty thousand volumes; also three study rooms. On the first floor are the cataloguing rooms, offices and pamphlet room.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible, and thus to increase the value of the reference department of the Library. Through the generosity of interested friends there is also a valuable collection of approximately one thousand volumes of early works on the History of Medicine, dating from the fifteenth century. These can be consulted at the Library.

A complete journal collection is listed in the Catalogue of Scientific Periodicals in Canadian Libraries, and also in the Union List of Serials, published by the W. H. Wilson Company.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9 a.m. to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

LIBRARIAN :- W. W. FRANCIS.

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises about 7,600 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very useful lines, the catalogue has been completed, indexed, and printed since his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 875 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 136 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers; and the books may not be borrowed or removed from the Library.

Apparations I solt on atmobiate

MEDICAL SOCIETIES

1. THE McGILL MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
 - (2) To stimulate interest along medical lines.
 - (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly

interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

McGILL UNIVERSITY

MONTREAL



ANNOUNCEMENT

OF THE

FACULTY & MEDICINE

FOR THE SESSION 1931-32

ONE HUNDREDTH SESSION

Printed in Canada for the University by Gazette Printing Company Limited, Montreal

MOGILL UNIVERSITY



ANNOUNCEME

WHY TO

FACULTY & MEDICINE

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ADMINISTRATIVE OFFICERS

PRINCIPAL

SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D.

C. F. Martin, B.A., M.D., LL.D.

SECRETARY AND BURSAR

A. P. S. GLASSCO, B.Sc.:—Office, East Wing, McGill College (Office Hours:—9 to 5.)

REGISTRAR

T. H. MATTHEWS, M.A.:—OFFICE, EAST WING, McGILL COLLEGE.

(Office Hours:—9 to 5.)

SECRETARY OF THE FACULTY OF MEDICINE

J. C. SIMPSON, B.Sc.

COMPTROLLER

S. R. Burrell.

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CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1931-32

1931

Monday, Sept. 7th Autumn Examinations begin. Wednesday, "9th Register opens for students in Medicine. Wednesday, " 16th Autumn Term begins. Tuesday, Oct. 6th Founder's Day. Convocation for conferring Degrees. Opening address for the session. Register closes for the session. Friday, " 9th Sports Day. No lectures. Monday, Nov. 9th Thanksgiving Day. No lectures.

Tuesday, " 24th Autumn Term ends.

Wednesday, "25th Winter Term begins.

Last day of lectures before Christmas. Friday, Dec. 18th

1932

Jan. 4th Lectures resumed. Monday, Wednesday, Feb. 10th Ash Wednesday. No lectures. " 16th Winter term ends. Tuesday, Thursday, " 18th Spring Term begins. Friday, Mar. 25th Good Friday. No lectures. Saturday, " 26th No lectures. No lectures.

" 28th Monday,

Wednesday, Apr. 27th Spring Term ends.

Thursday, May 26th Convocation for Conferring Degrees.

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E. L. GAGE, M.D.

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HISTORICAL SUMMARY

(Faculty of Medicine)

1821-1930

James McGill, born October 6th (Founder's Day). Died 1813. Royal Institution for Advancement of Learning contemplated 1801-02 by Provincial Act of Parliament. 1811 Will by James McGill leaving landed estate and £10,000 to Royal Institution for Advancement of Learning for founding a University. 1818 Royal Institution for Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street. 1821 Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Corner-stone of new Montreal General Hospital laid. 1822-24 Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1824, there were four teachers and twenty-five students. 1829 Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine. 1831 Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General. 1832 Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson. 1833 First University degree conferred in Medical Faculty upon W. Logie. 1836-37 Faculty removed to building next to present Bank of Montreal. 1840 Faculty removed to St. George Street. 1842 Arts Building erected on University grounds, where medical lectures were held 1845-51. 1852 Faculty removed to Côté Street. 1855 Sir William Dawson appointed Principal. 1860 Geo. W. Campbell appointed Dean, serving until 1882. 1872 First independent Medical Faculty building on University ground.

Graduation of William Osler.

1882 Geo. W. Campbell Memorial Fund for Medical Faculty (\$50,000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, \$50,000).

R. P. Howard appointed Dean.

New laboratories erected in Medical Building (Lord Strathcona, \$100,000).

1889 Robert Craik appointed Dean-George Ross, Vice-Dean.

Pathological Laboratory erected (John H. R. Molson, \$60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, \$100,000). Mrs. Mary Dow Endowment Fund presented to Medical

Faculty (\$10,000).

1894 Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).

1895 Sir William Peterson appointed Principal.

1898-01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, \$100,000.)

Joseph Morley Drake Chair of Physiology founded (\$25,000).

1901 Thomas G. Roddick appointed Dean.

1906 Alexandra Hospital for Infectious Diseases opened.

1907 Medical Building partly destroyed by fire.

- 1908 F. J. Shepherd appointed Dean.

1913

1909-11 New Medical Building (as at present) erected. (Lord Strathcona, \$450,000.)

1911 Robert Reford endowment of Department of Anatomy (\$100,000).

Arthur A. Browne Memorial Fund for Research established (\$10,000).

Dr. James Douglas research fellowship in Pathology founded (\$25,000).

1912 Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, \$14,000).

James Cooper Endowment Fund established for Internal Medicine (\$60,000).

Graduates of the Faculty of Medicine subscribed \$12,566 to meet fire loss.

H. S. Birkett appointed Dean.
 No. 3 (McGill) General Hospital organized for Overseas service.
 New Foundling Hospital opened.

1916 Ross Memorial Pavilion (J. K. L. Ross), opened by H.R.H. Duke of Connaught.

1917 Geo. Ross Endowment Fund for Medical Faculty presented.

- 1919 Sir William Macdonald bequeathed \$500,000 to Medical Faculty.

 Faculty of Dentistry established. Osler Library (of the history of medicine and science) bequeathed to the Faculty of Medicine by Sir William Osler.
- 1920 Sir Arthur Currie appointed Principal.
 Dr. J. W. Scane appointed Assistant Dean.
- 1921 Centenary Celebration.

 Friends and Graduates of McGill donated \$4,000,000 to University.

Province of Quebec donated \$1,000,000 to University.

Rockefeller Foundation granted \$1,000,000 to Medical Faculty.

F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened. Geo. E. Armstrong appointed Dean.

New Outpatient Department erected at Royal Victoria Hospital.

- 1923 Pathological Institute erected. C. F. Martin appointed Dean.
- Rockefeller Foundation gave \$500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.

 Amalgamation of Western Hospital with the Montreal General Hospital.
- 1925 Erection of Royal Victoria-Montreal Maternity Pavilion. Roddick Memorial Gates opened.
- 1926 Closing of old Montreal Maternity Hospital.
- 1927 Sub-department of Industrial Medicine formed, with Industrial Clinic at the Montreal General Hospital. (Grant of \$25,000 from Metropolitan Life Insurance Company.)

 Inter-Hospital Commission formed for purposes of administration.
- Opening of new laboratory building for Experimental Surgery. Rockefeller Foundation gave \$85,000 for research in Surgery.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with the title of Secretary.

A. F. Holmes, 1854.

GEO. W. Campbell, 1860.

R. P. Howard, 1882.

ROBERT CRAIK, 1889.

GEORGE ROSS (Vice-Dean), 1889.

THOMAS G. RODDICK, 1901.

FRANCIS J. SHEPHERD, 1908.

HERBERT S. BIRKETT, 1914.

F. G. FINLEY, 1921.

GEORGE E. ARMSTRONG, 1922.

C. F. MARTIN, 1923.

(J. W. Scane, Assistant Dean, 1920-1922.)

REGISTRARS

JOHN STEPHENSON, 1829.
ARCHIBALD HALL, 1842.
WILLIAM WRIGHT, 1864.
ROBERT CRAIK, 1869.
WILLIAM OSLER, 1877.
F. J. SHEPHERD, 1883 (Acting).
JAMES STEWART, 1884.
R. F. RUTTAN, 1891.
E. M. EBERTS, 1902.
(J. W. SCANE, Assistant Dean, 1920–1922.)
Registrarship abolished—1923

SECRETARIES

J. C. SIMPSON, 1923.

MEDICINE

Chair of Medicine (Founded 1824)

WILLIAM CALDWELL, 1824.
WILLIAM ROBERTSON, 1833.
ANDREW F. HOLMES, 1842.
R. P. HOWARD, 1860.
GEORGE ROSS, 1889.
JAMES SEWART, 1893.

Chair of Clinical Medicine (Founded 1845)

James Crawford, 1845 and 1852.
ROBT. L. MacDonnell, 1849.
STEPHEN C. SEWELL, 1850.
R. P. HOWARD, 1856.
DUNCAN C. MACCALLUM, 1860.
JOSEPH M. DRAKE, 1872.
GEORGE ROSS, 1872.
RICHARD L. MACDONNELL, 1889.
JAMES STEWART, 1891.

Chair of Medicine and Clinical Medicine (Founded 1907)

(Chair of Medicine since 1923)

F. G. FINLEY, 1907-1924.

H. A. LAFLEUR, 1907-1919.

C. F. MARTIN, 1907.

J. C. MEAKINS, Professor and Director, 1924.

C. P. HOWARD, 1924.

W. F. HAMILTON, 1924.

SURGERY

Chair of Surgery (Founded 1824)

JOHN STEPHENSON, 1824. G. W. CAMPBELL, 1835. GEO. E. FENWICK, 1875. T. G. RODDICK, 1890. Chair of Clinical Surgery (Founded 1840)

James Crawford, 1845.
WILLIAM E. Scott, 1852.
DUNCAN C. MACCALLUM, 1856.
ROBERT CRAIK, 1860.
GEORGE E. FENWICK, 1867.
THOMAS G. RODDICK, 1876.
JAMES BELL, 1894.

Chair of Surgery and Clinical Surgery (Founded 1907)

(Chair of Surgery since 1923)

JAMES BELL, 1907-1911.

GEO. E. ARMSTRONG, 1907-1923.

J. A. Hutchison, 1913-1923.

E. W. ARCHIBALD, Professor and Director, 1923.

A. T. BAZIN, 1923.

E. M. EBERTS, 1929.

OBSTETRICS AND GYNÆCOLOGY

(Founded 1824)

WILLIAM ROBERTSON, 1824. JOHN RACEY, 1833. GEO. W. CAMPBELL, 1835. MICHAEL McCullogh, 1842. ARCHIBALD HALL, 1854. D. C. MACCALLUM, 1868. ARTHUR A. BROWNE, 1883. J. CHALMERS CAMERON, 1886.

Chair of Obstetrics Chair of Gynæcology (Founded 1883) WILLIAM GARDNER, 1883. W. W. CHIPMAN, 1910.

> Chair of Obstetrics and Gynæcology (Founded 1913)

> > W. W. CHIPMAN, 1913-1929. J. R. FRASER, 1929 Professor and Director. H. M. LITTLE, 1929.

ANATOMY

(Chair founded 1824)

JOHN STEPHENSON, 1824. OLIVER T. BRUNEAU, 1842. WILLIAM E. SCOTT, 1856. FRANCIS J. SHEPHERD, 1883. A. C. GEDDES, 1913. S. E. WHITNALL, 1919.

CHEMISTRY

Chair of Chemistry (Founded 1824)

ANDREW F. HOLMES, 1824. ARCHIBALD HALL, 1842. WILLIAM SUTHERLAND, 1849. ROBERT CRAIK, 1867. GILBERT P. GIRDWOOD, 1879. R. F. RUTTAN, 1902.

Chair of Practical Chemistry Chair of Bio-Chemistry. (Founded 1872)

GILBERT P. GIRDWOOD, 1872. R. F. RUTTAN, 1894.

A. B. MACALLUM, 1920. J. B. Collip, 1928.

INSTITUTES OF MEDICINE

Chair of Institute of Medicine

(Founded 1824 and included the Department of Physiology, Histology and Pathology)

> John Stephenson, 1824. Stephen C. Sewell, 1842. Robert L. MacDonnell, 1845. William Fraser, 1849. Joseph M. Drake, 1868. William Osler, 1874.

PHYSIOLOGY

(Founded 1824-endowed 1897)

Wesley Mills, 1886. N. H. Alcock, 1911. G. R. Mines, 1914. John Tait, 1919. Boris P. Babkin (Research Professor), 1928.

PATHOLOGY

(Founded 1892—endowed 1893)

J. Geo. Adami, 1892.H. Oertel, 1919.

PHARMACOLOGY

Chair of Pharmacology and Therapeutics

(Founded 1824)

Andrew F. Holmes, 1824. Archibald Hall, 1835. Stephen C. Sewell, 1842. A. Hall, 1849. William Wright, 1854. James Stewart, 1883. A. D. Blackader, 1891.

Chair of Pharmacology

H. G. BARBOUR, 1921. R. L. STEHLE, 1924.

BOTANY

(Chair founded 1829)

Andrew F. Holmes, 1829.
Dr. Papineau, 1845.
J. W. Dawson, 1855–56 and 1858–83.
James Barnston, 1857–58.
D. P. Penhallow, 1883.
F. E. Lloyd, 1912.

MEDICAL JURISPRUDENCE

(Chair founded 1845)

WILLIAM FRASER, 1845.
FRANCIS BADGLEY, 1849.
FRANCIS C. T. ARNOLDI, 1850.
WILLIAM E. SCOTT, 1851.
WILLIAM WRIGHT, 1852.
R. PALMER HOWARD, 1854.
DUNCAN C. MACCALLUM, 1860.
GEORGE E. FENWICK, 1867.
WILLIAM GARDNER, 1875.
GEORGE WILKINS, 1883.
D. D. MACTAGGART, 1911–1929.

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871-endowed 1893)

GEORGE ROSS, 1871.
THOMAS G. RODDICK, 1873.
ROBERT T. GODFREY, 1875.
WILLIAM GARDNER, 1879.
R. L. MACDONNELL, 1886.
ROBERT CRAIK, 1889.
WYATT JOHNSTON, 1902.
T. A. STARKEY, 1902.
A. G. FLEMING, Professor

A. G. FLEMING, Professor and Director of the Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology (Founded 1883)

Frank Buller, 1883.

Chair of Laryngology (Founded 1893)

G. W. Major, 1893. H. S. Birkett, 1895.

Chair of Oto-Laryngology

H. S. BIRKETT, 1895–1931. E. Hamilton White, 1931.

Chair of Ophthalmology

J. W. STIRLING, 1906. W. G. BYERS, 1923.

CHAIR OF ZOOLOGY

E. W. MACBRIDE, 1902. ARTHUR WILLEY, 1910.

CHAIR OF HISTORY OF MEDICINF

ANDREW MACPHAIL, 1907.

CHAIR OF BACTERIOLOGY

F. C. Harrison, 1928. E. G. D. Murray, 1930.

FACULTY OF MEDICINE

The ninety-ninth session of the Faculty will open on September 16th, 1931.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization.

Candidates without a degree should have at least three years of college work. In exceptional cases applications may be received from students who have completed two years of work in a recognized college or faculty of Arts, provided they present certificates that they have scholastic standing placing them in the first third of their class.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

Physics—One year of general college Physics with laboratory work.

Biology—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

Chemistry-Two years:-

- (a) One full course of General Chemistry with laboratory work.
- (b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong. (For further particulars see "Requirements for Licence to Practise," p. 42.)

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than July 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1931–32 on September 9th to September 15th, 1931. Those who register after September 15th will be required to pay a fee of \$5.00 if they do so during the first week of the session and \$10.00 if during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination. Students of all Years who wish to engage in athletic activities, are also required to undergo physical examination. The hours for this examination will be announced at registration.

Students who do not present themselves for the medical examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Re-examinations will be held from time to time throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulation regarding medical examination.

Suspension from lectures for any cause, or absence from more than one-eighth of the total number of lectures given in any course, as shown by the monthly reports furnished to the Dean of each Faculty by the several professors and lecturers, shall be considered as sufficient ground to disqualify a student from engaging in athletic contests.

During the session and including the Christmas holidays, all teams and individual students desiring to participate in "outside"* athletics must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletic Manager, by whom all such sanctions are granted.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participation in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

^{*&}quot;Outside athletics" is interpreted to mean the athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

30 FEES

Provision is made by the Department for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only, and for that time only when requisitioned for by the Department. A leaflet concerning this service and the general work of the Department, together with the regulations governing athletics, will be distributed at the opening of the session.

FEES

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 23rd, 24th and 25th. They may be paid by cheque, which should be mailed so as to reach the Bursar by the date named.

Fees will also be accepted before September 16th.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

After September 25th or February 1st (in the case of those who pay by instalments) an additional fee of \$2.00 will be exacted of all students in default.

- 2. Immediately after October 10th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Dean of the Faculty a list of the registered students who have not paid their fees, on receipt of which he shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.
- 3. Students registering after September 25th shall pay their fees at the time of registration, failing which they become liable for the additional fee of \$2.00 exacted of students in default.
- 4. Fee for the support of various undergraduate organizations, for the skating rinks and tennis courts during the session, and for admission to the home games under the control of the Athletic Board:—

For	women undergraduat	es	10.00

FEES 31

Partial students who pay the above fees will have the same privileges as undergraduates in these respects.

The sum of \$10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made, and a refund is granted at the close of the session.

- 5. Partial students will be admitted to one or more courses on payment of special fees and a fee of \$3.00 for athletics and athletic grounds.
- 6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc.
- 7. Students taking out extra dissecting material will be charged at the rate of \$10.00 for a half session and \$20.00 for a whole session.
- 8. An ad eundem fee of \$10.00 is charged students entering from another university in any Year above the First.
- 9. When the degree of Doctor of Medicine and Master of Surgery is conferred in absentia, a fee of twenty dollars will be charged, unless the candidate has been specially exempted by the Faculty.
- 10. The fee for the graduate course in Public Health, including laboratory and outdoor work is \$100.00.

SUMMARY OF FEES

Sessional fee		\$250.00
First instalment, if paid before September 27th	\$127.50	
Second instalment, if paid before February 5th	127.50	
Microscope, first instalment (on deferred payment plan)	32.00	32.00
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc.	17.00	17.00
	\$314.00	\$309.00

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of \$105.00 or on the deferred payment plan, by which payment is spread over five years, as follows:—First year, \$32.00; second year, \$25.00; third year, \$22.00; fourth year, \$20.00; fifth year, \$16.00.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 772 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

The University Lodgings Committee issues annually a list of lodgings and boarding houses which have been inspected and approved. This list, which gives prices of rooms and meals, may be consulted in the Registrar's Office, in the Medical Building, in the Students' Union or in Strathcona Hall.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of \$45 to \$60 per month; or separately, board from \$30, and a room from \$20 upwards per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served à la carte.

2. APPROXIMATE ESTIMATE OF COST OF COURSE

Health, Madicion, Surgery, Chi	Minimun	Moderate
Tuition Fees	\$250.00	\$250.00
Fee for Athletics, Union, etc	17.00	17.00
Board and Lodging	400.00	500.00
Books, Instruments, etc	153.00	173.00
	\$820.00	\$940.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of \$10.00 which is made by each student at the commencement of the session. Students are advised also to reckon on at least \$20.00 to \$25.00 per annum for subscriptions of various kinds.

COURSE FOR THE M.D. DEGREE AND EXAMINATIONS

Certain fundamental changes have been initiated in this year's curriculum, rendering it much more flexible, more balanced and affording the student a certain freedom of choice. Thereby, too, the student assumes more responsibility for his own education. Incidentally he is relieved from an over-crowded curriculum in order to have more time for independent thought and work.

While a certain sequence of courses is essential to a well-ordered curriculum, he will no longer be passed on from year to year in lock step, but may assume greater latitude in the selection of the form and matter of study, and to some extent, too, in the choice of clinical teachers.

A. THE MEDICAL COURSE

The Academic year is divided into three terms of ten weeks and the minimum period of study required for the degree is fifteen terms (five years).

The subjects comprised in the medical course are arranged in two groups:

The Preclinical Group:

Anatomy.

Histology and Embryology.

Biochemistry.

Physiology.

Pharmacology.

The Clinical Group:

Bacteriology.

Pathology.

Public Health and Preventive Medicine.

Medicine (including Pædiatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).

Surgery (including Urology and Orthopædic Surgery).

Obstetrics and Gynæcology.

Ordinarily, the preclinical subjects occupy two years and the clinical group three years of the course.

In each group the courses offered are of two kinds:

Required Courses covering the ground which is essential to the training of a medical practitioner.

Elective Courses designed to give a broader and deeper training in the major subjects and the specialties.

The required courses are arranged in such a manner that a considerable amount of the student's time is left free for independent study and for elective courses, of which at least two shall be taken in the preclinical and three in the clinical subjects.

The required subjects of each group will ordinarily be taken in a definite sequence but qualified students may be allowed to arrange their schedule in accordance with their interests and previous training.

B. Examinations

- 1. Course Examinations, written and oral, are held at the conclusion of each required course. In determining the standing in these examinations, the student's work during the course is taken into account.
- 2. University Examinations are conducted by two Examination Boards of senior teachers appointed by the Faculty.
 - (a) The First University Examination is held at the end of the preclinical period of study (end of the second year) and will cover the subjects of Anatomy, Histology, Physiology, Biochemistry and Pharmacology.
 - (b) The Final University Examination, at the end of the medical course, covers the field of Pathology, Bacteriology, Public Health, Medicine, Surgery, Obstetrics and Gynæcology and cognate subjects.

The Examination Board has general supervision of the final examinations in the clinical subjects and, sitting as a board, considers the cases of, (and, if necessary, examines) any candidates for the degree who have obtained a low grade in any subject.

Both Course and University Examinations cover the subject as a whole, rather than the content of any course of lectures.

In order to qualify for the First University Examinations, a student must have passed the course examinations in the required subjects of the preclinical group and, in addition, must have successfully completed at least two elective courses.

To qualify for the Final University Examinations, a student must have passed the course examinations in the required subjects of the clinical group, and have successfully completed at least three elective courses during the clinical period. He must also have satisfactorily completed the prescribed courses of study and practice in:

- I. Ophthalmology.
 - II. Otolaryngology.
 - III. Psychiatry.
 - IV. Infectious Diseases.
 - V. Anæsthesia.
 - VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.
 - VII. Public Health Survey.

A student who has failed in the course examination in one of the required subjects in either group may, on decision of the Examination Committee, in consultation with the head of the Department concerned, be allowed to appear for the University Examination.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or retired from the Faculty.

^{*} The "Required Courses," together with suitable "Elective Courses" in the second year, will qualify a candidate for the First (Primary) Examination for Fellowship in the Royal College of Surgeons of England and for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. GRADING

At the conclusion of each course, students will be graded in five groups, as follows:—

A = Excellent

B = Good

C = Fair

D = Doubtful

E = Failure.

In reporting the grading, the names of those students who attain honour standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final and Class Examinations, but the instructor will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

MEDALS, PRIZES, FELLOWSHIPS AND SCHOLARSHIPS

MEDALS

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., one time Dean of the Faculty of Medicine, is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., LL.D., awarded to the student graduating with the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal is not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Bio-chemistry, together with a creditable examination in the primary branches.

The Lieutenant Governor's Silver Medal, to be awarded to the student who obtains the highest marks in General Medicine at the end of the Fifth Year.

The Lieutenant Governor's Bronze Medal, to be awarded to the student who obtains the highest standing in the Final Examination in Physiology.

PRIZES

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.).—A prize in books, to be awarded to the student who obtains the highest number of marks at the Final Examination in Pathology.

Primary Prize. A prize in books awarded for the best aggregate standing in the subjects of the first division (Anatomy, Histology, Physiology, Biochemistry).

The F. Slater Jackson Prize. An annual prize of \$50.00, founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded on the result of a special examination, written and oral, in Histology and Embryology.

The Alexander D. Stewart Prize. An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

FELLOWSHIPS

The A. A. Browne Memorial Fellowship.—The sum of \$10,000 was received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of \$25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in pathology, given by the late Dr. James Douglas, open to McGill graduates only, tenable for six years and of the value of \$1,250 for the first year, increasing to \$2,500.

The James Cooper Fellowships for the Study of Internal Medicine.—This fund of \$60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote study and research in Internal Medicine.

The John McCrae Fellowship.—A fellowship of approximately \$600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established as a permanent fellowship in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company.

The John W. Flinn Research Fellowship.—In 1921, Dr. John W. Flinn, of Prescott, Arizona, gave the sum of \$5,000, to be paid in five equal annual instalments of \$1,000, this sum to be used for the assistance of medical research in tuberculosis.

The J. W. McConnell Scholarship.—The sum of \$1,000.00 was donated to the Department of Surgery for purposes of research for the year 1925-26. This was renewed each year since and in 1928 was increased in value to \$1,500.

The Clara Law Fellowship, founded in 1927 by Mrs. J. R. Fraser for the furtherance of research in the laboratory of the Department of Obstetrics and Gynæcology, is of the value of \$1,200 per annum.

The P. P. Cowans Scholarship of \$1,000.00 was presented to the Department of Surgery and Physiology for purposes of investigation in these subjects during the year 1925-26. It was renewed each year since and will be again available in 1931-32.

The Walter J. Hoare Memorial Scholarship.—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

Six scholarships for Canadian students, four donated in 1927, by Mrs. R. MacDougall Paterson, Mrs. Charles Meredith, Mrs. C. F. Martin and Louis Colwell, Esq., three in 1928 by C. W. Lindsay, Esq., A. B. Purvis, Esq., and one by an anonymous donor and friend of the Medical Faculty. These scholarships are valued at \$400.00 each per annum, and extend over the five years of the course. The conditions pertaining to these scholarships may be had on application to the Dean or Secretary of the Faculty of Medicine.

The Dr. J. Francis Williams Scholarship of \$500.00, founded by the late J. Francis Williams, M.D., to be awarded to the student of the Final Year who obtains the highest standing in Medicine and Clinical Medicine.

The Dr. J. H. B. Allan Scholarship of \$300.00, founded by bequest of Mrs. Agnes W. Allan, wife of the late Dr. J. H. B. Allan, to be used as the Faculty may direct.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
- 3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
- 5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
- 6. He must also have attended during one full session the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the rights to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires students to register with the licensing body of their home province or state before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC.—Dr. J. Gauvreau, 354 St. Catherine Street E., Montreal.

Ontario.—Dr. H. Wilberforce Aikens, 170 University Avenue, Toronto, Ont.

New Brunswick.—Dr. S. H. McDonald, 56 Colborne Street, Saint John, N.B.

Nova Scotia.—Dr. W. H. Hattie, Halifax, N.S.

Prince Edward Island.—Dr. H. D. Johnson, 51 Grafton St., Charlottetown, P.E.I.

Manitoba.—Dr. J. E. Coulter, 604 Boyd Bldg., Winnipeg, Man.

Alberta.--Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN .- Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUMBIA.—Dr. A. P. Proctor, Vancouver, B.C.

The Registrar for Newfoundland is Dr. T. Mitchell, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a licence from the General Council it is necessary to pass one of the examining boards of Great Britain in the final subjects.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.

ASSOCIATE PROFESSOR:—J. BEATTIE.

LECTURER:—H. E. MACDERMOT.

SENIOR DEMONSTRATOR:—D. S. FORSTER.

Demonstrators:
E. H. Cayford; H. M. Elder;
R. R. Fitzgerald; G. A. Fleet;
G. D. Little; R. M. H. Power;
A. Ross; W. W. Ruddick;
P. G. Silver.

The Required Courses in Anatomy, are given in the first three terms of the Medical Course. In subsequent terms of the Second Year, opportunity is afforded through the Elective Courses for a complete revision in Anatomy together with choices of advanced work.

REQUIRED COURSES

1. Lecture Course in Gross Anatomy.

Three hours weekly through the Autumn, Winter and Spring Terms......Professors Whitnall and Beattie.

Text-books:—Gray's "Anatomy" (English Edition); Whitnall's "Study of Anatomy."

Reference books:—Quain, Cunningham, Piersol, Keith's "Human Embryology and Morphology."

Recommended for Collateral Reading:—Keith's "Menders of the Maimed"; Hilton's "Rest and Pain."

2. Laboratory Course in Gross Anatomy.

Fifteen hours weekly during the Autumn and Winter Terms, and fourteen hours weekly during the Spring Term.

Professor Whitnall and Staff.

Practical Manual:-Walmsley.

3. Tutorials: Devoted mainly to the study of osteology and surface anatomy.

One hour weekly throughout the session.

Drs. MacDermot and Forster.

Text-books: - Gray's "Anatomy"; Thompson's "Surface Anatomy."

4. Discussions: Informal class discussions upon problems and difficulties.

One hour a week throughout the session...........Dr. Beattie.

ELECTIVE COURSES

- 5. A Revision of the Whole Body by Dissection. Time required, three afternoons a week.
- A Course of Study of the Special Sense Organs. Two afternoons a week.
- 7. Special Regions. Two afternoons a week.

 Professor Whitnall and Staff.

ADDITIONAL COURSES

- 8. Ophthalmological Anatomy: Mainly a laboratory course designed for graduates in Medicine who intend to specialize in Ophthalmology.

 By arrangement. Details on application.....Professor Whitnall.
- 9. Oto-laryngological Anatomy: A similar course.

 By arrangement. Details on application.....Professor Whitnall.

- 12. Comparative Anatomy of the Primates: Offered for students taking the Honours Course in the Biological Sciences. The course is based upon and continues the work of general comparative anatomy and leads on to the study of human anatomy.

 Two lectures or colloquia and two hours of laboratory work per

HISTOLOGY AND EMBRYOLOGY

Professor:—J. C. Simpson.

Lecturers in Histology:—

{ D. J. Bowie. W. M. Fisk. C. T. Crowdy.

DEMONSTRATOR IN HISTOLOGY AND EMBRYOLOGY:—H. E. RAWLINSON.

DEMONSTRATOR IN HISTOLOGY:—G. C. ANDERSON.

REQUIRED COURSES

1. Histology and Embryology-Lecture Course.

Two hours weekly during the Autumn, Winter and Spring Terms.

Professor Simpson and Dr. Rawlinson.

Text-books:—Jordan, Bailey, Lewis and Bremer.

- Histology and Embryology—Laboratory Work.
 Eight hours weekly during the Autumn, Winter and Spring Terms.
- 3. Organogenesis: The development of the organs and systems of the human body.

ELECTIVE COURSES

4. Advanced Histology and Embryology.

Laboratory course in histology and histological technique open to students who have completed Courses 1 and 2.

Three or more hours weekly throughout the Session...Dr. Bowie.

5. Advanced Embryology: Advanced work, including practical instruction in embryological technique.

Six hours a week throughout the session.......Dr. Rawlinson.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT.

RESEARCH PROFESSOR:—BORIS P. BABKIN.

ASSISTANT PROFESSOR:—N. GIBLIN.

Lecturer:—S. Dworkin.

Demonstrators:-{ G. F. Sutherland. D. A. Ross.

In this department special provision is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate and for elective purposes other special courses are given.

REQUIRED COURSES

1. Introductory Course-Lectures and Demonstrations.

In this course, which is comprehensive rather than detailed, the general principles of the subject are dealt with.

Two hours a week during the first half session, and three hours a week during the second half session.

Intermediate Course—Lectures, Demonstrations and Laboratory.

Three lectures, one demonstration and six hours laboratory work a week. Autumn Term,

The more detailed description of the nervous system and sense organs forms a part of this course. The accompanying laboratory course consists of experiments on surviving parts of the frog and on the human subject.

Text-books: - Howell, Macleod, Starling, Stewart.

3. Senior Course—Lectures, Demonstrations and Mammalian Laboratory.

During these lectures the survey of the subject for undergraduate medical purposes is completed. The laboratory work accompanying the course involves a more advanced operative and instrumental technique.

Three lectures, one demonstration and six hours of laboratory work. Winter Term,

Text-book: - Sharpey-Schäfer, "Experimental Physiology."

ELECTIVE COURSES

4. Lectures on Selected Advanced Topics.

Professors Babkin and Giblin. During each year a variety of subjects is handled. As these vary from year to year, the titles will be announced at the commencement of the Autumn Term. The lectures are held twice a week throughout the Graduate Faculty teaching session. For elective purposes special parts of the course may be separately attended.

5. Tutorial Course.

Dr. Dworkin, Dr. Sutherland, Mr. Ross. This course is for the discussion of physiological problems, and entrants are required to use the library in preparation for the meetings.

One hour a week Winter Term. One hour a week Spring Term.

Courses only for Graduate Students.

- 6. Lectures on Structure and Function......Professor Tait.
- 7. Advanced Laboratory.
- 8. Physiological Colloquium.

PSYCHOLOGY

Professor of Abnormal Psychology:—J. W. Bridges.

Assistant Professor of Abnormal Psychology:—

K. M. Banham Bridges.

REQUIRED COURSE

1. Normal and Abnormal Psychology. Psychophysiological standpoint, the relation of abnormal to normal mental life and behaviour, the mechanism of behaviour and the physical basis of consciousness, theories of the unconscious, the motivation of behaviour, association and dissociation; imitation, suggestion, instinct, habit, emotion, memory, intelligence, character, temperament, and their abnormalities.

Two lectures a week. Autumn Term... Professor J. W. Bridges.

OPTIONAL COURSES

These are one term courses open to students in the Fourth and Fifth Years and to graduates.

- - Psychology in Industry. The selection of employees, the worker's efficiency, and his adjustment to his task.
 This course is intended for students specializing in Industrial Medicine.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR:—J. B. COLLIP.

ASSISTANT PROFESSOR: -D. L. THOMSON.

Lecturers on Pathological Chemistry: - $\left\{ \begin{array}{l} E.\ H.\ Mason. \\ I.\ M.\ Rabinowitch. \end{array} \right.$

RESEARCH FELLOWS:—

RESEARCH FELLOWS:—

R. L. KUTZ.
J. S. L. BROWNE.
L. I. PUGSLEY.
C. W. CHAPMAN.

In addition to the required courses of lectures and laboratory exercises, an elective course of lectures, conferences and laboratory work is offered in which one section of the general field is treated in greater detail. Both these courses are designed primarily for medical students, and are intended as an introduction to clinical chemistry and medicine. Advanced lectures on various topics are also given in the Department, as set forth in the Announcement of the Faculty of Graduate Studies, and undergraduates are permitted to attend these lectures.

REQUIRED COURSES

1. Biochemistry-Lecture Course:

This course forms a general introduction to the subject and is divisible into four parts: first, a survey of the chemical nature and physicochemical properties of the foodstuffs and the constituents of living matter; second, an account of the transformations undergone by these substances in digestion and metabolism; third, the principles of the science of nutrition; fourth, an introduction to pathological chemistry.

Text-books:—Bodansky: "Introduction to Physiological Chemistry." Cameron: "A Text-book of Biochemistry."

Reference books:—Peters & van Slyke: "Quantitative Clinical Chemistry," Gortners; "Outlines of Biochemistry," Thomson': "The Life of the Cell," Lusk: "Science of Nutrition."

Monday and Friday at 10, Wednesday and Saturday at 9, during the Autumn and Winter terms.

2. Biochemistry-Laboratory Course:

The exercises will deal with the practical side of the subjects treated in the lecture course, such as the chemical properties of the

carbohydrates, fats, and proteins, and the qualitative and quantitative analysis of blood, urine, and other body fluids for their most significant constituents, by volumetric and colorimetric methods. A synopsis of the course is issued by the Department.

Reference books:—Hawk & Bergeim, "Practical Physiological Chemistry." Folin, "Laboratory Manual of Biological Chemistry."

Six hours a week. Monday, Wednesday and Friday mornings in the Autumn and Winter terms.

ELECTIVE COURSES

3. Endocrinology and Metabolism-Lecture Course:

In this course a survey will be made of the ductless glands, the action of hormones on growth and reproduction and on the metabolism of various substances, in health and disease.

Reference books:—Pryde, "Recent Advances in Biochemistry"; Lovatt Evans, "Recent Advances in Physiology"; Parkes, "The Internal Secretions of the Ovary," in addition to those listed in Course 1.

Two hours a week-Monday and Friday at 2, in the Autumn and Winter terms.

4. Endocrinology and Metabolism-Laboratory Course:

Laboratory experiments to illustrate the lecture course will be arranged, and analytical methods employed in studies of metabolism will be practised.

Up to six hours a week in the Autumn and Winter terms.

PATHOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL.
ASSOCIATE PROFESSOR:—L. J. RHEA.
ASSISTANT PROFESSOR:—T. R. WAUGH.

Lecturer and Douglas Fellow in Pathology:—W. H. Chase.

Lecturer:—J. E. Pritchard.

LECTURER IN NEUROPATHOLOGY: -W. V. CONE.

A. MACDONALD.

A. L. Hunt.

Assistant Demonstrators: __ T. Farmer.

H. STARKEY.

G. A. COPPING.

R. J. Bristow.

CURATOR OF MUSEUMS:-E. L. JUDAH.

Note: Students for the degree of Doctor of Medicine are advised to commence the study of Pathology at the beginning of their clinical instruction, i.e., in the Third Year, and pursue it in the following order:

First: General Pathology, with its laboratory course in general pathological anatomy and histology (Courses A1 and A2).

Second: Special Pathology (Course B1), including the special didactic courses on the diseases of the blood forming organs, the more important ductless glands, and of the nervous system (Courses B2, B3, B4), with the laboratory course in special pathological anatomy and histology (Course B5), and also to attend the demonstrative courses and practical exercises in pathological anatomical methods (Course B6).

It is desirable that students should continue to attend the demonstrative courses and practical exercising in pathological anatomy and choose from the electives throughout the rest of their study. Students may find it advantageous to refresh their minds during their later clinical years in certain parts of General and Special Pathology in which they are interested by returning to the didactic lectures in General and Special Pathology in addition to taking up some of the electives.

A study room has been set aside in the Pathological Institute more particularly for the students of Special Pathology and those under advanced clinical instruction, in which gross and microscopic material illustrative of topics discussed in the didactic lectures are weekly put on exhibition for personal study, at the student's leisure. Museum material may also be requisitioned. This room is open from 9 a.m. to 6 p.m. during the session, and demonstrators will be available for consultation.

REQUIRED COURSES

I. DIDACTIC LECTURES.

A1. General Pathology and Pathological Morphology.

Comprising (1) the philosophical and historic evolution of the conceptions of disease; (2) the general foundations and relations of morbid life in constitutional, physical and chemical environment and parasitism; (3) pathogenesis and the structural changes incident to it. Two lectures (with epidiascope demonstrations) a week.

B1. Special	Pathological	Anatomy	and	Pathogenesis	of	the	Cir-
culator	y, Respiratory	, Digestive	and	Renal System	ıs.		

B2. Diseases of the Blood Forming Organs.

B3. Pathological Anatomy of the More Important Ductless Glands.

B4. Pathological Anatomy of the Nervous System.

II. PRACTICAL COURSES.

A2. Laboratory Courses in General Pathological Anatomy and Histology, (including the methods of microscopic technique and diagnosis with practical exercises in the living animal, in fresh and in hardened tissues). Six hours weekly.

Winter and Spring Terms—Tuesday and Thursday, 2 p.m. Pathological Institute......Professor Oertel and Demonstrators.

B5. Laboratory Course in Special Pathological Anatomy and Histology. Two hours weekly.

Winter and Spring Terms—Monday and Friday, 4 p.m. Pathological Institute.

Professor Waugh, Dr. Chase, Dr. Cone and Demonstrators.

B6. Demonstrative Course and Practical Exercises in Pathological Anatomical Methods and Diagnosis, (including autopsy technique and reference to medico-legal practice).

C1. Performance of Autopsies-Group Instruction.

Autumn, Winter and Spring Terms. Time according to material. Pathological Institute..........Dr. Chase and Demonstrators. Montreal General Hospital.....Professor Rhea and Demonstrators.

ELECTIVE COURSES

B7. Special Pathological Anatomy of Bones.

B8. Special Hæmatological Technique.

Lectures and demonstrations on the more important hæmatological methods of examining the blood.

Winter Term-Thursday, 4 p.m.

Pathological Institute......Professor Waugh.

C2. Methods of Post-Mortem Examination, (including the methods of anatomical description and protocoling). For advanced students and physicians preparing for medico-legal practice. Time to be arranged.

C3. Demonstration and Discussion of Specimens Removed at Operation, (including microscopic diagnosis and interpretation). For advanced students.

Autumn, Winter and Spring Terms-Wednesday, 3 p.m.

Pathological Institute......Professor Waugh.

C4. Clinical Pathological Conferences (see Medical and Surgical Schedules) between surgical and pathological staffs of both hospitals.

To be held in time allotted to them......Professors Oertel and Rhea with Professors Archibald, Meakins, Howard, Eberts, Gordon, Patch, and Peters.

BACTERIOLOGY

Professor:—E. G. D. Murray.

Lecturers:—

W. W. Beattie.
F. Smith.

DEMONSTRATOR:

REQUIRED COURSE

Medical Bacteriology.

30 lectures, 90 hours Practical Work and a weekly Tutorial class—Autumn Term, Third Year.

Introductory and Historical Survey, Elements of Morphology and Physiology and a limited classification of Pathogenic Bacteria; Growth, Death and Variation; Sterilization methods, their applications and where and how they may fail; Culture Media and Cultural methods; the process of Infection and Invasion, the Epidemiology, the progress of the disease to healing and death, the tissue reaction and the isolation and identification of the infecting organism in diseases caused by: the Staphylococcus, the Streptococcus (including the Pneumococcus), the Gonococcus and Meningococcus, the Typhoid-Coli-Dysentery group, Br. militensis, P. pestis, C. tetani and the Gas-gangrene bacilli, Cor. diphtheriæ, My. tuberculosis, the Spirochætes and the Filterable Viruses; the Carrier Problem; Arthropod Vectors; Phagocytosis; Agglutination, Precipitation, Bacterolysis and Hæmolysis and their applications; the Wassermann Reaction; Toxins and Antitoxins, illustrated by Diphtheria, Tetanus, and the Schick, Dick & Schultz-Charlton Reactions; Prophylactic Vaccination.

Pathological Institute.

Professor Murray, Dr. Beattie and Dr. Smith.

ELECTIVE COURSES

- 1. General Bacteriology.
- 2. Systematic Bacteriology.
- 3. Immunology.

For details see the Announcement of the Faculty of Arts and Science (p. 63).

Pathological Institute..........Professor Murray and Dr. Smith.

For advanced courses leading to higher academic degrees see the Announcement of the Faculty of Graduate Studies and Research.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

Professor and Director:—A. Grant Fleming.

Strathcona Professor of Hygiene:—T. A. Starkey.

Assistant Professors: $-\begin{cases} R. \text{ St. J. Macdonald.} \\ F. B. Jones. \end{cases}$

Assistant Professor of Mental Hygiene:—W. T. B. Mitchell.
Assistant Professor of Industrial Hygiene:—Frank G. Pedley.

LECTURER IN MENTAL HYGIENE:—C. M. HINCKS.

DEMONSTRATOR IN MENTAL HYGIENE:—BARUCH SILVERMAN.

DEMONSTRATOR IN INDUSTRIAL HYGIENE:—R. VANCE WARD.

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

In order that the importance of Public Health and Preventive Medicine may be kept before the student, short courses are given in the First and Second Years. These courses are of an introductory nature and, from a historical background, develop the needs and opportunities for preventive medicine and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

In the Third Year, visits of inspection are made to plants selected to illustrate the general principles of water purification, and the modern dairy plant, including pasteurization.

A brief course in Applied Public Health Bacteriology is given to familiarize the student with the facilities available, the method of taking specimens, the methods of examination and the interpretation of laboratory reports on water, milk, sputum, nose and throat swabs.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the Fifth Year. This study requires individual field work by each student.

REQUIRED COURSES

 Introduction to Public Health and Preventive Medicine. Spring term—Monday, 4 p.m.

Professors Fleming, Macdonald and Mitchell.

2. Public Health Organization and Administration. (Including related community services.)

Spring term—Wednesday, 9 a.m.

Professors Fleming and Dawson and Dr. Silverman.

3. Mental Hygiene.

Autumn term-Tuesday, 3 p.m.....Professor Mitchell.

4. Practice of Preventive Medicine.

Spring term—Monday and Friday, 3 p.m.; Wednesday, 2 p.m. Professors Fleming, Starkey, Macdonald and Pedley.

Field Visits, Demonstrations and Applied Public Health Bacteriology.

Spring term-Wednesday, 3 p.m.

6. Communicable Disease Control.

Autumn term-Thursday, 4 p.m.. Professors Fleming and Macdonald.

7. Health Study of a City or Town.

To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff,

Text-books and Reference books:—

The General Field:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:- The Mental Hygiene of Childhood, White.

School Hygiene: - The Fundamentals of School Health, Kerr.

PHARMACOLOGY AND THERAPEUTICS

PROFESSOR: -R. L. STEHLE. Associate Professor of Therapeutics:—D. S. Lewis. LECTURER IN PHARMACOLOGY: -K. I. MELVILLE. LECTURER IN THERAPEUTICS:—D. GRANT CAMPBELL. LECTURER IN ANÆSTHESIA:—WESLEY BOURNE.

Lecturer in Physio-Therapy:—

{ F. W. Harvey. Norman Brown.}

Demonstrators in Pharmacology:—

{ J. B. Ross. W. dem. Scriver.}

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1. Pharmacology. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Drs. Stehle and Melville.

2. Pharmacological Laboratory. The experiments are chosen to illustrate the lectures of the preceding course.

Two periods (six hours) a week during the Spring Term.

Drs. Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be linked closely with that of medicine. Lectures in Course 3 will be interpolated between the university lectures in medicine, so that the treatment of each group of diseases will immediately follow their discussion from the medical point of view. Courses 3, 4 and 5 should be completed to registration for Course 6.

REQUIRED COURSES

3. Therapeutics. A series of approximately twenty university lectures on the principles of therapeutics. They will be given at intervals, chiefly during the Winter and Spring Terms, and will be open to members of the Third, Fourth and Fifth Years.

Professor Lewis and Associates.

4. Pharmacy and Prescription-writing. Five lectures and five laboratory periods during the Autumn Term.

Dr. Scriver.

- Clinical Therapeutics. One ward class per week for ten weeks, in the Autumn, Winter and Spring Terms, at the Royal Victoria and Montreal General Hospitals... Prof. Lewis and Dr. Campbell.
- 6. Physio-Therapy. Three lectures and three periods of group instruction during the Autumn Term.

Professor Lewis and Drs. Brown and Harvey.

7. Physiotherapy (Practical). A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of diseases.

Drs. Brown and Harvey.

Text-books in Pharmacology. Cushny, Sollman, Poulsson, Meyer and Gottlieb.

OPTIONS

Suitably prepared persons may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See announcement of the Faculty of Graduate Studies.

MEDICINE

PROFESSOR AND DIRECTOR OF THE DEPARTMENT: - JONATHAN C. MEAKINS.

Professors:—{ Campbell Palmer Howard. W. F. Hamilton. C. F. Martin.

ASSOCIATE PROFESSOR:—A. H. GORDON.

Assistant Professor of Medical Research: -Maude E. Abbott.

Assistant Professor of Medical Research (Biochemistry):-C. N. H. Long.

Assistant Professors:—

{ E. H. Mason.
 C. A. Peters.
 I. M. Rabinowitch.

Lecturers:—

J. G. Browne, D. G. Campbell, J. Kaufmann,
D. S. Lewis, A. H. MacCordick,
C. F. Moffatt.

LECTURER (TUBERCULOSIS):-J. R. BYERS.

C. C. BIRCHARD, C. R. BOURNE,
G. R. BROW, KEITH GORDON,
R. H. M. HARDISTY, A. T. HENDERSON,
C. R. JOYCE, H. E. MACDERMOT,
J. F. MACIVER, D. W. MCKECHNIE,
J. L. D. MASON, D. L. MENDEL,
E. S. MILLS, LORNE MONTGOMERY,
E. V. MURPHY, E. E. ROBBINS,
W. DE M. SCRIVER, COLIN SUTHERLAND,
J. J. WALKER, J. C. WICKHAM.

Assistant Demonstrators:—

W. W. Alexander, W. C. Gowdey,
H. N. Segall, C. J. Tidmarsh,
W. W. Eakin, N. Feeney,
C. W. Fullerton.

RESEARCH FELLOW:—R. V. CHRISTIE.

PÆDIATRICS

CLINICAL PROFESSOR:—H. B. CUSHING.

Lecturers:—

A. B. Chandler, A. Goldbloom,
L. Lindsay, S. Graham Ross,
R. R. Struthers, H. P. Wright.

DEMONSTRATORS:—

W. E. ENRIGHT, JESSIE BOYD SCRIVER,

R. C. STEWART, W. E. WILLIAMS.

Assistant Demonstrator:—A. K. Geddes.

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS.

ASSISTANT PROFESSOR:—DAVID SLIGHT.

DEMONSTRATORS:—

E. C. MENZIES.

DERMATOLOGY

CLINICAL PROFESSORS:—

{ P. Burnett. J. F. Burgess. Demonstrators:—

{ C. R. Bourne. L. P. Ereaux.

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

- 1. A course of University lectures on general medicine which will include infectious diseases, nervous diseases, psychiatry, pædiatrics, and therapeutics. This course will be given in the autumn, winter, and spring terms, on Monday, Wednesday and Friday mornings, from 9 to 10 o'clock. This course of lectures will cover the whole field of medicine during two years and will be delivered at the University Medical Building, by Professors Meakins, Howard, and Assistants.
- 2. Clinical lectures in general medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms, on two days a week. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professors Meakins, Howard, Hamilton, Gordon, and Assistants.
- 3. Clinical lectures in pædiatrics. A course of clinical lectures will be delivered in pædiatrics during the autumn, winter, and spring terms, on one day each week, at the Children's Memorial Hospital, by Professor Cushing and Assistants.
- 4. A course in the technique of physical examination and normal physical signs will be given in the autumn term, two periods a week, from 10.15 to 11.45 a.m., with one clinical lecture per week as a review. This course will be given to groups of students at the Royal Victoria Hospital and the Montreal General Hospital.
- 5. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the winter and spring terms, four periods a week of two

hours each, from 10.15 to 12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

6. A course in clinical microscopy will be given in the winter term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Pathological Institute. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Doctors Kaufmann, MacCordick, and Assistants.

- 7. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students at the Royal Victoria Hospital and Montreal General Hospital. Each course will occupy five days a week from 10.15 a.m. to 3.45 p.m. Professors Meakins, Gordon, Peters, and Assistants.
- 8. A clinical course in pædiatrics will be given during the autumn, winter, and spring terms. This course will have the following divisions:
 - (a) Diseases of the New-Born—Royal Victoria Montreal Maternity Pavilion.
 - (b) Normal Infant-Feeding and Development—Montreal Foundling Hospital.
 - (c) General Pædiatrics—Children's Memorial Hospital, Royal Victoria Hospital, and Montreal General Hospital.
- (d) A Series of demonstrations to groups of students on the ordinary acute infectious diseases will be given at the Alexandra Hospital.

 Professor Cushing, and Assistants.

This course in its divisions will be given to groups of students.

- 9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.
- 10. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

ELECTIVE COURSES

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, hæmatology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

It will be necessary for each student, in addition to taking the required courses, to choose a certain number of elective courses, the number chosen depending upon which elective courses are taken.

TEXT AND REFERENCE BOOKS

General Medicine:—McLeod, "Physiology and Biochemistry in Modern Medicine"; Lewis, "Clinical Electrocardiography" and "Clinical Disorders of the Heart"; Meakins and Davies, "Respiratory Function in Disease"; Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Cabot, "Physical Diagnosis"; Thompson, "Elements of Surface Anatomy"; Lusk, "Science of Nutrition"; McLester, "Nutrition and Diet in Health and Disease"; Krehl, "Basis of Clinical Symptoms"; Osler's "Practice of Medicine"; Taylor's "Practice of Medicine"; Nelson's "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Oxford, "Loose-Leaf System of Medicine"; Strumpell, "Text-book of Medicine for Students and Practitioners'; McKenzie, "Diseases of the Heart"; Purves Stewart, "Diagnosis of Nervous Diseases"; Bassler, "Diseases of the Stomach and Intestines"; Pharneo, "Teaching Hospitals."

Pædiatrics:—Holt and Howland; Dennet; Feer, Still; Porter and Carter; Morse and Talbot; Alan Brown.

Psychiatry:—White, "Outlines of Psychiatry; Kraeplin, "Clinical Psychiatry"; Wimmes Hoisholt, "Psychiatric Neurological Examination Methods"; Jeliffe and White (1923 Ed.), "Diseases of the Nervous System."

Dermatology:—Stellwagon; Walker's Introduction to Dermatology; Hartzell; McLeod; Darier; Campbell; Shamberg; Sutton.

HISTORY OF MEDICINE

PROFESSOR: - SIR ANDREW MACPHAIL.

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

NEUROLOGY AND NEUROSURGERY

CLINICAL PROFESSOR OF NEUROSURGERY AND CHAIRMAN:—
WILDER PENFIELD.

CLINICAL PROFESSORS OF NEUROLOGY: - COLIN RUSSEL.
F. H. MACKAY

Assisant Professor of Neurology and Neurosurgery:— William Cone.

LECTURER IN NEUROLOGY AND MADELEINE EHRET OTTMAN FELLOW:-

LECTURERS IN NEUROLOGY: - { A. W. YOUNG. N. VINER.

Assistant Demonstrator in Neurology:—A. R. Elvidge.
Assistant Demonstrator in Neuropathology:—I. M. Tarloy.

RESEARCH FELLOWS IN NEUROLOGY AND NEUROSURGERY:—

G. CHOROBSKI.
E. L. GAGE.

The Department of Neurology and Neurosurgery has been created in its present form during the past year. It will co-operate intimately with the Departments of Medicine and Surgery, both as regards the teaching programme and the clinical work at the hospitals.

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Professor and Director of the Department:—
E. W. Archibald.

Professors:—

A. T. Bazin.
E. M. Eberts.

Assistant Professors:—

W. L. Barlow.
C. B. Keenan.
C. K. P. Henry.

F. A. C. SCRIMGER.

Lecturers: - { F. B. Gurd, F. E. McKenty. F. J. Tees.

Lecturer in Anæsthesia:—W. B. Howell.

John Armour, E. B. Chandler.

Demonstrators:— Guy Johnson, R. R. Fitzgerald.
L. H. McKim, A. Stewart.

DEMONSTRATORS IN ANÆSTHESIA:—

J. W. ARMSTRONG.
C. C. STEWART.

Assistant Demonstrators:—

Howard Dawson, H. M. Elder.
G. A. Fleet, Mark Kaufmann.
G. Gavin Miller, Albert Ross.
Dudley Ross, P. G. Silver.

UROLOGY

CLINICAL PROFESSORS:—{ D. W. MACKENZIE. F. S. PATCH.

LECTURER:—R. E. POWELL.
DEMONSTRATOR:—M. SENG.

ORTHOPÆDIC SURGERY

CLINICAL PROFESSORS: $-\begin{cases} W. G. Turner. \\ J. A. Nutter. \end{cases}$

Lecturer:—W. J. Patterson.

Demonstrator:—N. T. Williamson.

Foreword on the Courses in Surgery. Instruction in Surgery (and in the surgical specialties) is imparted in the form of didactic lectures, theatre clinics, ward and out-patient teaching.

The didactic lectures, which cover a period of two years (120 lectures) are not designed to cover the whole field of general and special surgery, but rather to present a few selected subjects thoroughly. Surgery as a whole must be studied in the recommended text books. The early lectures of this course, being introductory, are offered particularly to students who are beginning their clinical work (7th term). They deal with the fundamental principles of inflammation, wound healing, new growths and congenital abnormalities.

The theatre clinics in both hospitals will demonstrate, in so far as is possible, the whole field of general surgery and the surgical specialties. In the earlier terms instruction will be given in the commoner ailments of general surgery, while during the later periods the special subjects of orthopædics, genito-urinary-surgery, neuro-surgery and thoracic surgery will be given a due proportion of the time.

In the wards and out-patient departments, instruction can be given to smaller groups. In these classes one may more readily differentiate elementary instruction from that given to more advanced students. In other words, to the junior group are taught the principles of careful history taking, of physical examination and of accurate observation.

Later comes instruction in minor surgery, the dressing of wounds, bandaging and the application of splints—while to the advanced students is demonstrated major surgery from selected cases in the wards and operating theatre. Such advanced students are given patients in rotation

and become ward dressers. The specific duty is laid upon them of recording the case histories, making all necessary examinations and laboratory tests, and of assisting at operations. Group teaching at the bed-side, and ward rounds are added to their training, and they are given all the privileges of an externe of the surgical service.

REQUIRED COURSES

1. Didactic Lectures.

2. Theatre Clinics.

Twice weekly throughout the session, 12.30 p.m., at both general hospitals. These clinics are open to all students from the seventh terms onwards......Professors Archibald and Bazin and staff.

3. Ward and Out-Patient Instruction.

Four times weekly, 10.30 a.m. to 12 p.m., in groups to be arranged in both general hospitals.

Independent ward work can be done by those to whom cases are allotted at any time during the day excepting the meal and visiting hours.

4. Surgical Specialties.

The surgical specialties are taught in the later periods—to some extent in didactic lectures and theatre clinics—but chiefly in the wards and out-patient departments.

5. Anæsthesia.

Didactic lectures and laboratory demonstrations of anæthesia are given by the Department of Pharmacology and Therapeutics to the students of the earlier clinical years, while practical instruction in the administration of anæsthetics is given in the hospital to the more advanced students. Every student is obliged to furnish a certificate of having given at least six anæsthetics under supervision.

ELECTIVE COURSES

The following Elective Courses will be given at the Royal Victoria Hospital, while those to be given at the Montreal General Hospital will be announced later:

1. Surgical Pathology.

A lecture-demonstration course upon specimens from the operatingroom and from the Pathological Museum in co-operation with the Pathological Department—cf. Department of Pathology, Course C3—Wednesdays, 3 p.m......Professor Waugh and Dr. Wilkie.

2. Neurological Examination, Diagnosis and Treatment of Skull Injuries.

Once a week for six weeks during each term...........Dr. Cone.

3. Diagnosis and Surgical Treatment of Pulmonary and Pleural Diseases.

Once a week during the autumn and winter terms.

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4. Applied Anatomy in Surgical Cases.

Once a week......Dr. Armour.

Text-books:-

- 1. General Surgery: Choyce, C. C., "A System of Surgery"; Thomson and Miles, "Manual of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; John Homans, M.D., "A Text-book of Surgery."
- 2. Emergency Surgery: Sluss, John W., "Manual of Emergency Surgery."
 - 3. Surgical Anatomy: Treves' "Surgical Applied Anatomy."
- 4. Fractures: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations."
- 5. Case Reporting: White, J. Renfrew, "The Clinical Examination of Surgical Cases."
 - 6. Urology: Keyes' Urology.

Collateral Reading: Lewis' System of Surgery, vols. 8-9; Eisendrath and Rolnick, Urology; Young, Urology; Stokes, Modern Clinical Syphilogy.

7. Orthopædic Surgery:—Whitman's "Orthopædic Surgery"; Fraser, "Tuberculosis of Bones and Joints of Children"; Tubby and Jones, "Surgery of Paralysis"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery."

OBSTETRICS AND GYNÆCOLOGY

PROFESSOR AND CHAIRMAN: -J. R. FRASER.

PROFESSOR:-H. M. LITTLE.

CLINICAL PROFESSORS:—

H. C. BURGESS.

J. W. DUNCAN.

J. R. GOODALL.

LECTURER: -W. A. G. BAULD.

DEMONSTRATORS:—

A. D. CAMPBELL.

DOUGLAS GURD.

IVAN PATRICK.

ELEANOR PERCIVAL.

CLARA LAW FELLOW AND DEMONSTRATOR:-P. J. KEARNS.

 $Assistant \ Demonstrators :- \begin{cases} Stewart \ Henry. \\ N. \ W. \ Philpott. \\ C. \ V. \ Ward. \end{cases}$

OBSTETRICS

REQUIRED COURSES

1. An introductory course of thirty lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.

The Medical School. Three times a week—Spring Term.

Professor Fraser.

 Clinical instruction during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labor and the puerperium in case room and wards, together with ante-natal care in the out-patient department.

Autumn, Winter and Spring Terms.

- 3. Special courses in obstetrical palpation and on the mannikin daily throughout the session with the aid of models, diagrams and lantern slides. Autumn, Winter and Spring Terms.
- 4. Clinical conference once weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.

Autumn, Winter and Spring Terms.

- 5. Group Instruction. The teaching in the final year is conducted entirely by senior teachers.
 Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.
- 6. Lecture Demonstrations in the theatre are held daily during each term on the following subjects:—

A. Dystocia......Professor Little.

B. Hæmorrhages of Pregnancy. Labor and the Puerperium.

Note: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of interneship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNÆCOLOGY

- 1. Theatre clinics and bed-side instruction in the Royal Victoria and Montreal General Hospitals....Professors Fraser, Little and Staff.
 - 2. A special course on Gynæcological Pathology..Dr. P. J. Kearns.
- 3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
- 4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray..Dr. Bauld and Staff.

OPHTHALMOLOGY

Professor:—W. Gordon M. Byers.

CLINICAL PROFESSORS :-

G. H. MATHEWSON.
S. H. McKee.
F. T. Tooke.

Demonstrators:—

A. G. McAuley.

J. A. MacMillan.

Assistant Demonstrators:—

A. Bramley-Moore.
S. O. McMurtry.
Stuart Ramsey.
J. Rosenbaum.

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. Routine examination of the eye.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

Professors Byers, Tooke, McKee and members of the Staff.

2. Lecture demonstrations.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Fifth Year.

Ten hours......Professor Byers.

3. Clinical Ophthalmology.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professors Byers and Mathewson and Staff. Text-books:—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

PROFESSOR:—HAMILTON WHITE.

LECTURERS:—

G. E. HODGE.

J. T. ROGERS.

D. H. BALLON.

K. O. HUTCHISON.

W. J. McNally.

J. E. Tremble.

B. F. MacNaughton.

P. Wright.

Assistant Demonstrator:—A. E. Lundon.

The course of instruction in Oto-Laryngology is carried on in the wards and out-patient departments of both the Montreal General and the Royal Victoria Hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving practical instruction in these subjects. In these two hospitals there are about fifty beds set apart for this specialty.

The courses are designed to afford the student the opportunity of acquiring the oto-laryngological knowledge required by every general practitioner. The practical work is conducted in small groups, so that the personal instruction and supervision, so essential in this subject, are given to each student.

1. Introductory Course.

2. Lecture Course.

Ten lectures upon the more common pathological conditions of the ear, nose and throat met with in general practice.

Professor White.

3. Clinical Oto-Laryngology.

A course of clinical instruction in the out-patient departments and wards of the hospitals...........Professor White and Staff.

Text-books:—Chevalier Jackson and Coates; St. Clair Thomson; A. Logan Turner; H. Tilley; Kerrison; Phillips; Barnhill.

GRADUATE INSTRUCTION

- 1. Any graduate who so desires may attend any of the regular undergraduate courses. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the Head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. Course for Diploma of Public Health: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:-

- (a) A course of lectures dealing in a comprehensive manner with the general principles of public health and preventive medicine.
- (b) Bacteriology—a full practical course in general bacteriology, with special application to public health.
- (c) (1) Sanitary Chemistry. Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, etc.; chemical investigations connected with trades and occupations; (2) Physics. General principles only in their application to hygiene.
- (d) Practical public health work. An extended course under a M.O.H., affording facilities for instruction in public health relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc., etc.
- (e) Public health legislation and administration. Statutes and bylaws relating to public health and the powers of health authorities; administration of the office of a Medical Officer of Health.
- (f) Vital statistics. Calculation and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of communicable diseases, of child hygiene and mental hygiene, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on public health conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course, including the diploma, is \$100.00.

4. Special Courses. Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Head of the Department. Courses will be arranged, suitable for the applicants, in order that they may receive full benefit from the time devoted to the course.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 38,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This Building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the

latter it draws chiefly its material. It was constructed at a cost of \$460,000; is of Montreal limestone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and geographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University as well as with clinical facilities is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital. Montreal General Hospital.

Children's Memorial Hospital.

Foundling Hospital.

Alexandra Hospital for Infectious Diseases.

Protestant Hospital for the Insane.

Royal Edward Institute for Tuberculosis.

The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 680 beds. During 1930 it cared for 14,597 cases, while in its outdoor department 82,952 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic was established in 1924.

There were 273 post-mortems during 1930. The number of resident physicians is 40.

The Royal Victoria-Montreal Maternity Pavilion, with 200 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 100 teaching beds and an organized out-

patient service which is of the greatest benefit to the undergraduate student. During the year 1930 the obstetrical service cared for 2,723 cases, with 2,645 confinements in the Hospital and 408 in the Out-patient Service, a total of 3,053. In the gynæcological section, 1,359 cases were admitted during the year.

There are seven resident physicians.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 404 beds. In 1930 there were 7,496 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, received last year 149,740 visits. Many modern additions to the original buildings have been made, and recently a large biochemical laboratory has been erected and completely equipped.

There were 344 post-mortems during the year.

The number of resident physicians is 40.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs with a large and varied clientele.

The Western Division of the Montreal General Hospital— The Western General Hospital. A hospital for the treatment of acute diseases, with 85 beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. During the year 1930 there were 1,847 admissions to the wards and 11,116 patients were treated in the out-patient department.

There were 68 autopsies during the year.

The number of resident physicians is 7.

The Children's Memorial Hospital has 200 public beds, and, in 1930, admitted 1,153 patients. The attendance at its out-door department totalled 11,738 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of patients, and enables the students to get a broad conception of pædiatrics. Of special interest are the newlybuilt wards with cubicles, the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped out-patient service.

There were 97 autopsies during the year.

The number of resident physicians is 7.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pediatrics. The Montreal Foundling and Baby Hospital affords a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and, in 1930, 1,326 patients were admitted to the hospital. There were 30 autopsies.

The number of resident physicians is 4.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute—a dispensary for tuberculosis—offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN :- DR. C. F. WYLDE.

Assistants:—

Miss C. Davidson, B.A.

Miss Edith R. Gordon.

Miss Beatrice V. Simon.

"The history of the Library is the history of the Faculty."

Professor Hall.

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76×24 feet, exceptionally well lighted, and capable of accommodating seventy-five readers. On this floor also are the journal room and private office. The second floor contains the stack room, the book stacks at present containing about 45,000 volumes, and having a total capacity of sixty thousand volumes; also three study rooms. On the first floor are the cataloguing rooms, offices and pamphlet room.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible, and thus to increase the value of the reference department of the Library. Through the generosity of interested friends there is also a valuable collection of approximately one thousand volumes of early works on the History of Medicine, dating from the fifteenth century. These can be consulted at the Library.

A complete journal collection is listed in the Catalogue of Scientific Periodicals in Canadian Libraries, and also in the Union List of Serials, published by the W. H. Wilson Company.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9 a.m. to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

LIBRARIAN: -W. W. FRANCIS.

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises about 7,600 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue has been completed, indexed, and printed since his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 136 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers, but the books may not be borrowed or removed from the Library.

MEDICAL SOCIETIES

1. THE McGILL MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
 - (2) To stimulate interest along medical lines.
 - (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

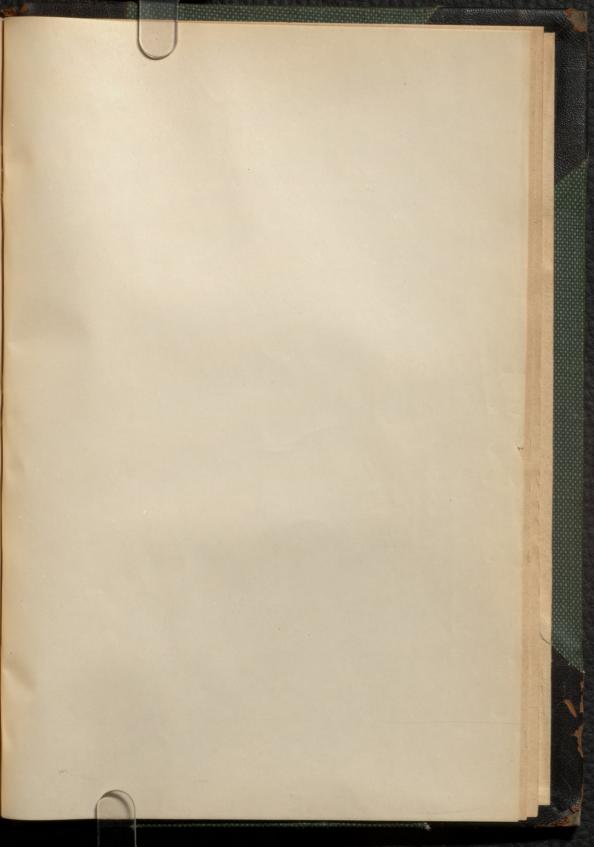
2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

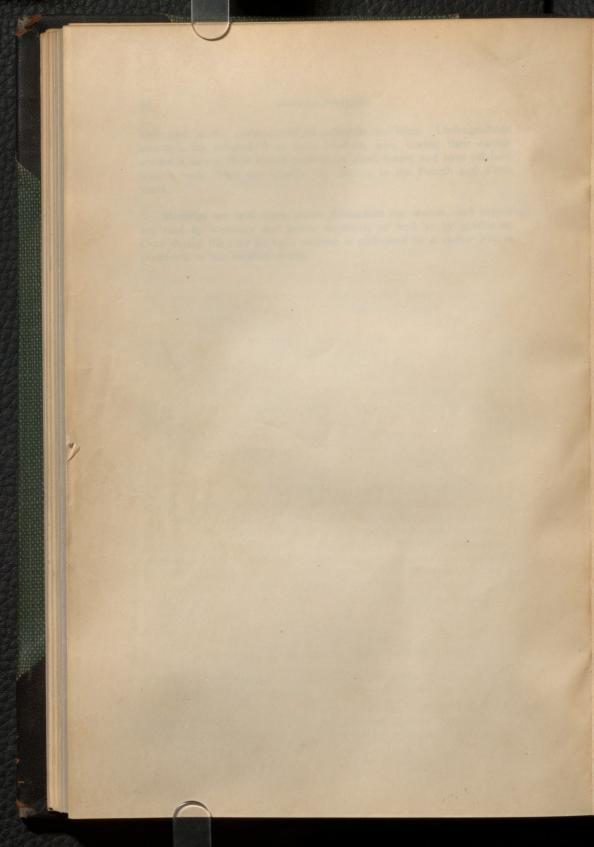
This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

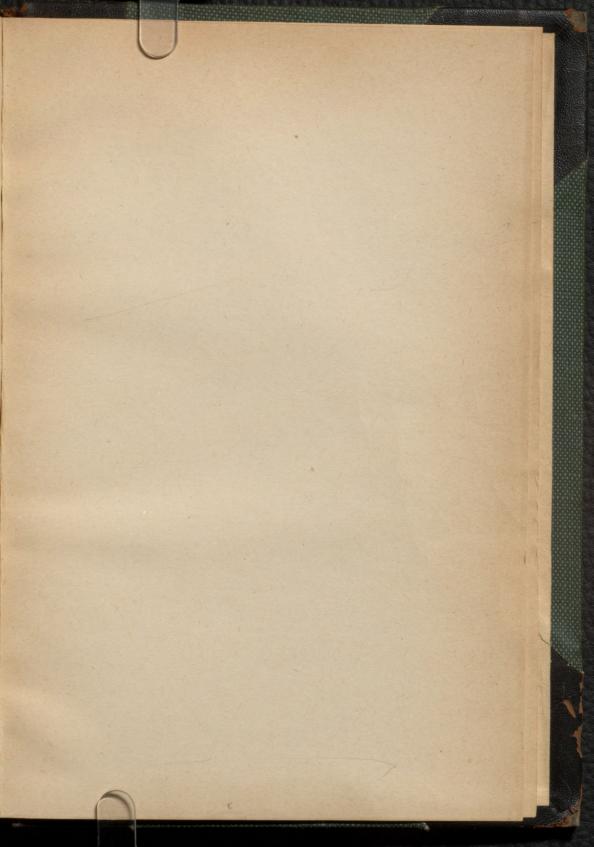
There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly

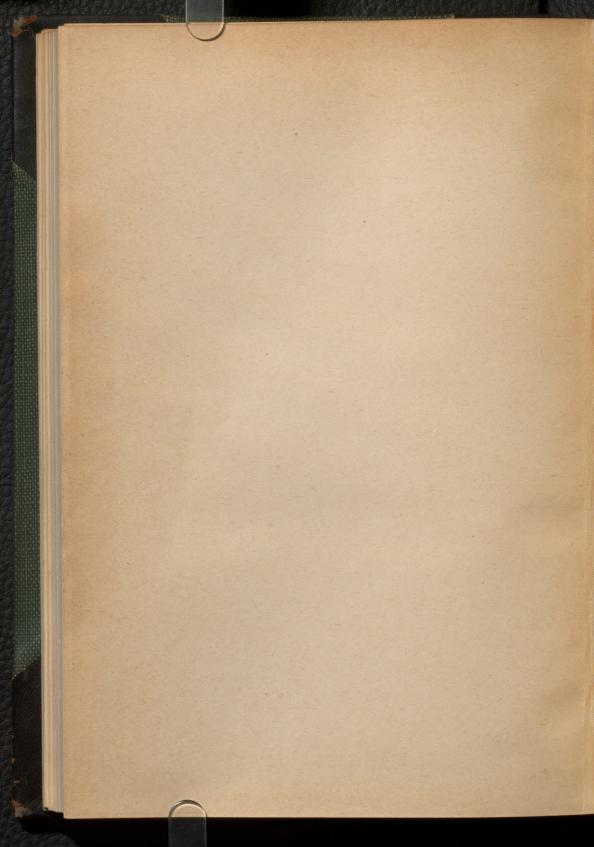
interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

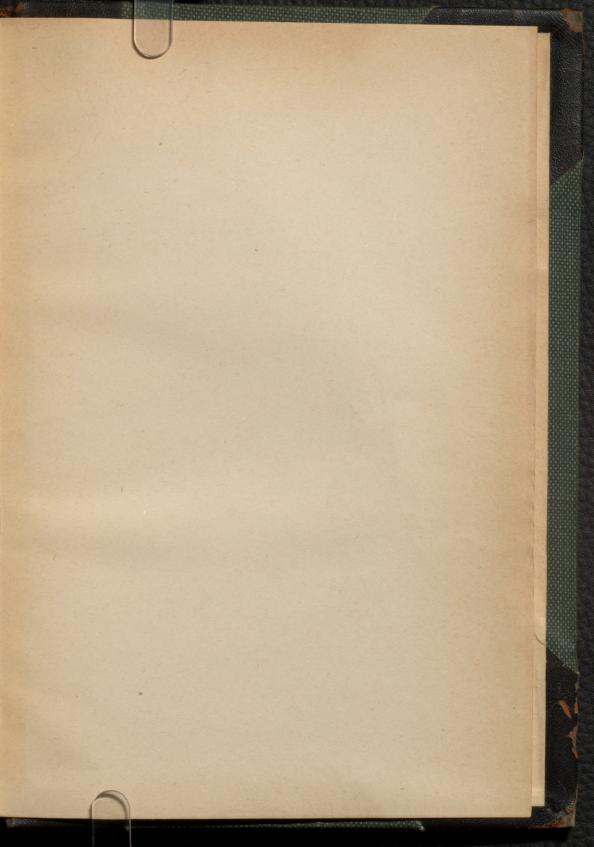
Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.











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